

CORNELL UNIVERSITY OFFICIAL PUBLICATION

Volume XXVIII

Number 2

Forty-fourth Annual
President's Report
by
Livingston Farrand

for 1935-36

With appendices containing a summary of
financial operations, and reports of
the Deans and other officers

Ithaca, New York
Published by the University
July 15, 1936

CONTENTS

	PAGES
PRESIDENT'S REPORT	5
SUMMARY OF FINANCIAL OPERATIONS	12
APPENDICES	
I Report of the Dean of the University Faculty	i
II Report of the Dean of the Graduate School	iv
III Report of the Dean of the College of Arts and Sciences	xi
IV Report of the Dean of the Law School	xiii
V Report of the Dean of the Medical College	xvi
VI Report of the Secretary of the Ithaca Division of the Medical College	xxiii
VII Report of the Dean of the New York State Veterinary College	xxvi
VIII Report of the Dean of the New York State College of Agriculture and the Director of the Cornell University Agricultural Experiment Station	xxx
IX Report of the New York State Agricultural Experiment Station at Geneva	xxxiv
X Report of the Dean of the New York State College of Home Economics	xxxv
XI Report of the Dean of the College of Architecture	xxxix
XII Report of the Dean of the College of Engineering	xlii
XIII Report of the Director of the Graduate School of Education	xlv
XIV Report of the Administrative Board of the Summer Session	1
XV Report of the Dean of Women	lii
XVI Report of the Director of Admissions	lv
XVII Report of the Registrar	lvii
XVIII Report of the University Placement Bureau	lxi
XIX Report of the Director of Physical Education and Athletics	lxiv
XX Report of the Librarian	lxvi
XXI Publications	lxxii

REPORT OF THE PRESIDENT FOR 1935-36

To the Board of Trustees of Cornell University:

I have the honor to present the following report on the progress of Cornell University during the academic year 1935-36.

The University has suffered serious loss by death of the following distinguished figures:

Miss Mary Emily Cornell, daughter of the Founder, died September 17, 1935.

Wilson M. Powell, Chairman of the Joint Administrative Board of the New York Hospital-Cornell Medical College Association, died August 17, 1935.

H. C. Elmer, Professor of Latin, *Emeritus*, died September 24, 1935. He was Acting Assistant Professor of Latin 1888-90. In 1890 he was appointed Assistant Professor and in 1909, Professor. He retired from active service in 1928, with the title of Professor of Latin, *Emeritus*.

Charles L. Dana, Professor of Clinical Medicine, *Emeritus*, died December 12, 1935. He was a member of the staff of the Medical College in New York City when it opened in 1898. He retired from active service in 1932.

David C. Gillespie, Professor of Mathematics, died October 31, 1935. He was Instructor in Mathematics 1906-11; in 1911 he was elected Assistant Professor of Mathematics and in 1925 Professor of Mathematics, which position he held until his death.

John I. Hutchinson, Professor of Mathematics, died December 1, 1935. He was Instructor in Mathematics 1894-1903; Assistant Professor 1903-10; in 1910 he was elected Professor and held that position until his death.

Lynne A. Hoag, Associate Professor of Pediatrics, died February 16, 1936. From 1923 to 1927 he held minor positions on the staff of the Department of Pediatrics; in 1927 he was appointed Assistant Professor of Pediatrics and in 1933 Associate Professor of Pediatrics.

George H. Kirby, Professor of Clinical Psychiatry, died August 11, 1935. He was Instructor in Clinical Psychiatry and in Clinical Psychopathology 1905-1912; in 1917 he was appointed Professor of Clinical Psychiatry and held that position until his death.

Richard Meagher, Assistant Professor of Surgery, died May 27, 1936. He was appointed Instructor in Surgery in 1932. From 1933 until the time of his death he was Assistant Professor of Surgery.

Mortimer W. Raynor, Professor of Clinical Psychiatry, died October 6, 1935. He had held the position of Professor of Clinical Psychiatry since 1928.

Wallace Lund, Business Manager of the Medical College in New York, died December 8, 1935.

THE TRUSTEES

Stanton Griffis was reappointed a trustee by the Governor to serve for a term of five years.

The New York State Agricultural Society elected Dr. U. P. Hedrick as its President for the calendar year 1936. He thus became an ex-officio trustee of the University in succession to Dean Carl E. Ladd.

The University Faculty elected Professor Donald English as Faculty Representative on the Board for a term of five years, beginning January 1, 1936, in succession to Professor J. P. Bretz, term expired.

Irving M. Ives was elected Speaker of the Assembly, thus becoming an ex-officio trustee of the University in succession to Irwin Steingut.

At the November meeting of the Board Maxwell M. Upson was elected a member of the Committee on Buildings and Grounds to succeed himself, and Franklin W. Olin was elected a member of the same committee to succeed John B. Tuck.

At the meeting of the Board held on June 15, 1936, Trustees Frank H. Hiscock, J. DuPratt White, and Nicholas H. Noyes were re-elected to succeed themselves on the expiration of their terms. Judge Hiscock was elected Chairman of the Board and Mr. White Vice-Chairman.

The Alumni Corporation elected M. C. Burritt and R. E. Treman to succeed themselves as Alumni Trustees for terms of five years.

Nicholas H. Noyes was elected to succeed himself on the Committee on General Administration.

F. H. Hiscock and Stanton Griffis were elected to succeed themselves on the Finance Committee.

Myron C. Taylor was elected to succeed himself on the Medical College Council.

On the Engineering College Council, Ezra B. Whitman, Alexander

C. Stevens, and Lester W. W. Morrow were elected for three-year terms to succeed themselves.

Professors Lane Cooper and Robert S. Stevens were elected to succeed themselves on the University Press Council.

On the Library Council, Professors G. L. Hamilton and A. H. Wright were elected to succeed themselves, and Professor C. C. Murdock was elected to succeed Professor D. C. Gillespie, deceased.

Professor R. C. Gibbs was elected to succeed himself on the Hecksher Research Council.

The following were elected to the State College Council for the year 1936-37: T. L. Lyon and O. A. Johannsen to represent the College of Agriculture in place of F. B. Hutt and F. B. Morrison; Miss Flora Rose to represent the College of Home Economics; and R. R. Birch to continue to represent the Veterinary College.

O. D. von Engeln was appointed member of the Administrative Board of the Summer Session to succeed Professor Sabine, term expired.

THE FACULTY

The following appointments or promotions have been made during the year:

Herman Diederichs, Dean of the College of Engineering; S. C. Hollister, Associate Dean of the College of Engineering.

Dexter S. Kimball, Professor of Mechanical Engineering, *Emeritus*; H. C. Troy, Professor of Dairy Industry, *Emeritus*; J. G. Needham, Professor of Entomology, *Emeritus*; F. C. Stewart, Professor *Emeritus* in the New York State Agricultural Experiment Station.

W. A. Anderson, Professor of Rural Social Organization; S. A. Asdell, Professor of Animal Physiology; H. E. Baxter, Professor of Architecture; M. G. Bishop, Professor of Romance Languages; M. P. Catherwood, Professor of Business Management; Mrs. Martha Eddy, Professor of Home Economics; C. E. Grantham, Professor of Physics; C. E. F. Guterman, Assistant Director of the Agricultural Experiment Station; Hazel Hauck, Professor of Home Economics; B. L. Herrington, Professor of Dairy Chemistry; L. C. Norris, Professor of Poultry Husbandry; Peter Olafson, Professor of Veterinary Pathology; P. M. O'Leary, Professor of Economics; E. L. Overholser, Acting Professor of Pomology; P. A. Radio, Professor of Economic Entomology; O. A. Reinking, Chief in Research in Plant Pathology

(with the title of Professor) in the Experiment Station at Geneva; Doris Schumacker Professor of Home Economics; L. P. Smith, Professor of Physics; J. N. Tilton, Professor of Architecture; A. L. Winsor, Professor of Rural Education; Robert F. Chandler, Charles Lathrop Pack Research Assistant Professor in Forest Soils; S. F. Cleary, Assistant Professor of Machine Drawing; D. L. Collins, Assistant Professor of Economic Entomology; D. H. Deyoe, Acting Assistant Professor of Hygiene and Assistant Medical Adviser in the Department of Hygiene and Preventive Medicine; P. W. Gates, Assistant Professor of American History; D. B. Hand, Assistant Professor of Biochemistry in the Department of Dairy Industry; G. R. Hanselman, Assistant Professor of Administrative Engineering; M. B. Hoffman, Assistant Professor of Pomology; F. B. Howe, Assistant Professor of Soil Technology; Miss Margaret Humphrey, Assistant Professor of Home Economics; H. T. Jenkins, Assistant Professor of Drawing in the School of Civil Engineering; Philip G. Johnson, Acting Assistant Professor of Education; D. B. Johnstone-Wallace, Assistant Professor of Agrostology; M. S. Livingston, Assistant Professor of Physics; Carl Olson, jr., Acting Assistant Professor of Poultry Diseases in the Veterinary College; Hans Platenius, Research Assistant Professor of Vegetable Crops; W. M. Sale, Assistant Professor of English; G. W. Salisbury, Assistant Professor of Animal Husbandry; E. A. Tenney, Assistant Professor of English; Henry H. King, Faculty Research Assistant in the University Library.

The following appointments or promotions have been made in the Extension Staff of the State Colleges of Agriculture and Home Economics:

S. J. Brownell, Extension Professor of Animal Husbandry; W. T. Crandall, Extension Professor of Animal Husbandry; F. A. Harper, Extension Professor of Marketing; L. D. Kelsey, Professor in Extension Service; W. E. Blauvelt, Extension Assistant Professor of Economic Entomology; Miss Charlotte W. Brenan, Extension Assistant Professor of Home Economics; Mark Entorf, Extension Assistant Professor of Home Economics; Mrs. Lemo Dennis Lockwood, Extension Assistant Professor of Home Economics; A. J. Pratt, Extension Assistant Professor of Vegetable Crops; K. L. Turk, Extension Assistant Professor of Animal Husbandry; C. N. Turner, Extension Assistant Professor of Agricultural Engineering; H. A. Willman, Extension Assistant Professor of Animal Husbandry.

In the Medical College in New York the following have been appointed or promoted:

William S. Ladd, Dean of the Medical College; Dayton J. Edwards, Assistant Dean of the Medical College.

McKeen Cattell, Associate Professor of Pharmacology; Oskar Diethelm, Professor of Psychiatry; Joseph C. Hinsey, Professor of Physiology and Head of the Department of Physiology; Samuel Z. Levine, Professor of Pediatrics and Head of the Department of Pediatrics; Robert A. Phillips, Assistant Professor of Physiology.

The George Fisher Baker Non-Resident Lecturers in Chemistry for 1936-37 will be as follows:

Professor William D. Harkins of the University of Chicago for the first term.

Professor William Hobson Mills, Jesus College, Cambridge, England, for the second term.

The Messenger Lectures on the Evolution of Civilization will be delivered during the academic year 1936-37 by Professor Robert Hegner of Johns Hopkins University and Dr. Isaiah Bowman, President of Johns Hopkins University and Director of the American Geographical Society of New York.

Dr. Liberty Hyde Bailey has been appointed Director of the Bailey Hortorium.

Charles D. Manning has been appointed Proctor.

The following have presented their resignations or have retired from active service:

Dexter S. Kimball, Dean of the College of Engineering and Professor of Mechanical Engineering; J. G. Needham, Professor of Entomology; H. C. Troy, Professor of Dairy Industry; F. C. Stewart, Professor of Botany in the New York State Agricultural Experiment Station; A. P. Whitaker, Professor of American History; C. E. F. Guterman, Assistant Professor of Plant Pathology; J. M. Hendrickson, Assistant Professor of Poultry Diseases in the Veterinary College; D. S. Kimball, jr., Assistant Professor of Industrial Engineering.

THE STUDENTS

The official enrollment of students for the year ending June 30, 1936, was 6019 as compared with 5910 for the previous year.

During the year 1,439 degrees were conferred.

The reports of the Director of Admissions and of the Registrar give details regarding the distribution of applications and registrations. It will be noted that there has been a slight increase in attendance at the University and the applications for admission for the next academic year are at this time decidedly greater than a year ago. It is gratifying again to note the increased interest and activity of the Alumni in different parts of the country in arousing an interest in Cornell among distinguished students in the graduating classes of the schools of their districts, and especially noteworthy is the continuing success of Cornell Day.

All faculties of the University are concerning themselves seriously with the methods of determining qualifications for admission and the impression is general that the quality of the student body is improving from year to year.

I am very glad to report to the Board that the morale of the undergraduates has been excellent, with no serious breaches of discipline during the year.

THE PHYSICAL PLANT

There have been no striking additions to the physical equipment of the University but I wish to note the general satisfaction which greeted the Board's decision to construct an addition to the University Library immediately. This addition, while merely palliative, will give relief for some years to come in the desperately crowded condition of the present building but the Board must keep before it the pressing need of still more adequate physical provision for the Library, as well as of greatly increased resources for the purchase of books and better library service.

It is with satisfaction that I report that the State is preparing to erect a new laboratory building for the College of Veterinary Medicine, which will greatly improve the facilities in that field. I call attention again to the outstanding and increasing demands for improved Engineering buildings, for accommodations for the College of Architecture, the Department of Music, the Department of Geology, and for Gymnasium facilities.

I would report to the Board that the Commencement exercises were held for the first time in the Drill Hall and with entire success. The wisdom of equipping that building for the purpose was clearly shown.

GENERAL

The accompanying reports from the Deans of the several Colleges outline the most important recent developments in the academic life of the University and are earnestly commended to the members of the Board as worthy of close attention.

The most pressing problem before the trustees, in my opinion, is the need for an adequate retirement allowance system for the officers of the University. Each year that passes without such provision obviously increases the difficulties and hazards of the situation. It is hoped that the Committee charged with the responsibility of analyzing the conditions and making recommendations to meet them in some degree, will report to the Board during the coming year with a plan within the financial possibilities of the institution.

The reorganization of the Athletic Association, brought about by previous action of the Board of Trustees, has resulted in a marked improvement in the facilities for physical education and athletics on the campus and in complete change of attitude and spirit in the student body as to this important aspect of the University life. The new Director of Physical Education and Athletics, Mr. James Lynah, has discharged his difficult responsibilities with ability and tact. It is too soon to forecast definitely the financial situation so far as the Athletic Association is concerned, but the indications are that a marked improvement may be looked for during the coming year.

I wish finally to express deep appreciation of the cordial cooperation which the administration has received from this Board and from all departments of the University.

Respectfully submitted,
LIVINGSTON FARRAND,
President.

SUMMARY OF FINANCIAL OPERATIONS

To the President of the University:

I have the honor to submit herewith the financial statement of Cornell University covering the fiscal year July 1, 1935 to June 30, 1936 inclusive.

The net cost of conducting the University at Ithaca during the year with allowance for necessary reappropriations exceeded the income available for that purpose by \$58,297.58. The budget adopted in the spring of 1935 contemplated a net deficit of \$25,195 after an allowance of \$20,000 for possible savings. During the year additional appropriations were required to the extent of \$80,504.40, of which the largest item was \$14,798.38 to repair damage caused by the flood in July and the ice storm in March. The unrestricted income of the University exceeded the budget estimate by \$31,178.50 and the savings in expenditure of appropriations overran the \$20,000 estimate by \$16,223.32 with the net result for the year of a deficit of \$58,297.58 as compared with the \$25,195 estimate.

The accumulated debit balance in current income increased from \$621,270.13 to \$667,022.90, there being a credit of \$12,544.81 resulting from bookkeeping adjustments. The University has accumulated in past years in addition to the above deficiency in current income a liability amounting to \$1,189,340.05 which sum has been expended for the purchase of property largely for its present and future needs and for plans and studies in anticipation of future building operations. These items have been temporarily financed from current credits and by borrowing from the endowment and must eventually be met by gifts or appropriations, or from current income.

The Medical College in New York City closed the year with a credit balance in its income, after allowance for necessary reappropriations, of \$44,964.47. The State colleges at Ithaca are administered by the University for the State of New York and the greater part of the expense is paid from State appropriations.

THE UNIVERSITY ENDOWMENT

The permanent endowment or income-producing funds of the University aggregate \$30,311,743.58, an increase during the year of \$429,467.76.

The average rate of return actually received upon investments during the year and credited to the several endowment funds, after payment of the expense of handling the securities and the 2% of investment income transferred to the insurance reserve fund, was 4.087% as compared with 4.076% for the preceding year. The value of the University's securities on the basis of market value of listed securities and book value of other investments continues to show

improvement. On June 30, 1932, which was about the low mark of the present depression, the market value of the University's investment list, including both pooled and non-pooled funds, was estimated at 60.56% of the book value. On June 30 of this year the percentage was 93% as against 86.34% the year before.

INVESTMENT POLICY

The responsibility for the investment of the University's endowment lies with the Finance Committee which by the statutes consists of the President of the university, ex-officio, the vice-chairman of the Board of Trustees, ex-officio, and seven members elected by the Board. The committee chooses its own chairman who is now Mr. Stanton Griffis. The committee is assisted by the Comptroller, the Treasurer, and assistants trained and experienced in matters of investment in the security and mortgage fields. The statutes of the University originally adopted in 1891 codified the then existing practice of the University that "all investments of University funds shall be regarded as made for the University as a whole and not for any specific fund, and the annual income arising from such investments shall be distributed pro rata among the several specific funds held by and being the absolute property of the University. But such funds as by their holding are or may be subject to specific conditions requiring the principal and interest to be kept separate from other funds shall not be subject to this provision." It has not been the policy of the University to confine its investments to so-called legal securities. Except where "legals" are specifically required the matter of investment has been left to the discretion of the Finance Committee. The statutes however wisely provide that each year there shall be appropriated from the income a sum to be fixed annually by the Committee on Finance for insurance against losses. For some time past this sum has stood at 2% of the investment income and is deducted before the specific rate on investments is figured. Where gifts to the University are made in securities they are not included in the pooled investments until the securities have been realized upon and the net amount of the fund definitely fixed. This practice of pooling the investments was in the earlier days of the University often criticized but of late years the many advantages of the plan have been realized and the practice is largely adopted by all institutions where permitted by law or by terms of the gifts. The practice not only simplifies bookkeeping, avoids many small uninvested cash balances, gives the individual funds the advantage of wide diversification, but insures the relative permanency of all funds. The recent depression has been the acid test for this system and the practice of the University. The average rate after the deduction of expenses of caring for investments and insurance reserve for the ten years prior to July 1, 1931 was 5.43%. For the fiscal year beginning July 1,

1932 and the following years the rates were respectively 4.98%, 4.29%, 4.01%, 4.07%, and this year 4.087%. I believe that these rates received and credited have been considerably in excess of what could have been realized during the same period on investments in so-called legal securities. The market value of the pooled securities was on June 30, 1936 only .03326% below the book total of the pooled funds which indicates that if the pooled endowment funds were realized upon to-day after the greatest financial crisis experienced in this country the total loss on \$1,000 of endowment would be less than \$34. Meanwhile the funds have received during the whole crisis in excess of 4% income. This seems a justification of the theory and practice of the University in handling its endowment funds.

THE F. W. GUYEAU STUDENT LOAN FUND

In my report of last year I dwelt upon the financial aid given to students in this time of particular need and called special attention to the effectiveness of the John Knickerbacker bursaries. The University has enjoyed the benefits of the Guyeau Fund for just thirty years. Founded on bequests aggregating \$267,200 under the wills of Mr. Frederick W. Guyeau of Tarrytown, N. Y. and his sister, Mrs. Nancy G. Howe, with the simple requirement that the earnings be used to assist needy and worthy young men in pursuing their studies, the fund has loaned \$640,700. Since 1925 a small part of the annual income has been used to maintain a student employment bureau and to pay the salary of the clerk in charge of handling the notes. Borrowers have returned \$346,004 of principal and \$65,441 of interest. These repayments have been added to principal except about \$92,000 immediately reloaned during the last five years, and the principal has thus grown to \$586,263. Loans not yet repaid amount to \$287,681 and it is only fair to observe that much of this amount represents loans granted to recent or present undergraduate students whose notes have not yet become due. Uncollectible notes of deceased borrowers have been written off to an amount of \$7,016. During the last five years of hard times there have been more than the normal number of deserving students applying to this fund for the means of completing their studies. In this emergency the insufficient income of the fund has been supplemented, with the Trustees' formal consent, by drawing upon the current returns from former borrowers which, in normal times, are added to the principal. This has retarded to some extent the growth of the principal, but has met the emergency. Apparently the worst of the strain is past for in the year just closed the loans amounted to \$5,700 less than in the preceding year while the repayment of former loans exceeded the five year average by \$6,500 or 24%.

Loans from the Guyeau Fund are as a rule restricted to undergraduate men who are within a year or two of graduation. The

maximum granted to any student is normally \$800, or the amount of the tuition in the course for two years. The average is less than \$300. The total number of beneficiaries in the thirty years of the fund's operation is estimated at about 4,200.

Borrowers regard the loans as moral obligations even when the statute of limitations may have run and it is interesting that last year payments on account of principal were received on loans made in nearly every year of the life of the fund. Present indications are that nearly 90% of the principal of the loans will ultimately be paid. To date, the University has never instituted legal proceedings to enforce collections. The beneficence and wisdom of Mr. Guiteau and Mrs. Howe has made possible the completion of their courses in the University of many deserving students, and has insured the continuation of the fund.

The University is fortunate in having many other loan funds, some providing for the loaning of principal as well as interest, or limited to the needs of women, or students in particular fields or courses.

DONATIONS

Gifts to the University during the year aggregated \$781,486.64, being over \$20,000 more than those received during the preceding year. This list includes those passing through the books of the business office of the University, and undoubtedly some gifts, particularly of apparatus and equipment made directly to departments, were not reported. \$440,082.10 were additions to the endowment of the University and \$341,404.54 were for current expenses. Of the donations, \$161,521.86 were received through the Cornelian Council, an increase of nearly \$50,000 over the preceding year.

THE PHYSICAL PLANT

I have referred to the two unusual happenings of the year—the flood of July, 1935 and the ice storm of March, 1936. On July 7, 1935 a hard rain began late in the afternoon and there was a precipitation of nearly eight inches in twenty-four hours over a large part of this area, causing enormous property damage and some loss of life in this region. The damage to the University was relatively small, being mainly confined to the hydraulic laboratory and the University power plants in Fall Creek, and the landscaping in the ravines. The University was able to be of assistance to the City in the emergency by granting the use of the Drill Hall to the Red Cross for the purpose of housing refugees. About 650 men, women, and children were housed and fed for approximately one and one-half days, after which the number was reduced to around 300 for two days more. Beds and meals were furnished by the University at the expense of the Red Cross disaster committee.

The sleet storm occurred during the night of March 18, 1936 and on the following morning trees and wires were encased in a heavy coating of ice. Limbs of all sizes were broken from the trees and many trees were practically destroyed. Drastic pruning, rodding, and guying operations had to be resorted to and about 400 truck loads of litter were hauled away and burned. Much work still remains to be done on the campus trees. The general operation of the University was seriously affected. Electric lines and poles were down over a major portion of the campus and over the outlying properties of the University. Light and power were cut off from practically every building. The filtration plant was put out of commission and as there was no power for the operation of the heating plant, or the pumping back of the return water, many activities of the University had to be suspended. During my long connection with the University I remember no other occasion where the service facilities of the institution were so completely prostrated and the work of the University so interrupted. Work on emergency lines was rushed and by night light and power were furnished to the dormitories and residences. By the end of the next day practically all activities of the University were being carried on, although the permanent restoration of services required considerable time. In both of these emergencies the employees of the Buildings and Grounds and of the Dormitory Departments of the University rose splendidly to the occasions and showed efficient organization and loyal devotion to the University.

During the year there has been no important new construction on the campus. Attention has been centered upon the improving of the upkeep of the buildings and grounds. The routine work of all the administrative departments of the University has been efficiently performed.

Respectfully submitted,
CHARLES D. BOSTWICK,
Comptroller.

Note: The complete report of the Comptroller and the Treasurer, bearing the certificate of audit of Messrs. Scovell, Wellington & Co., Accountants-Engineers, 10 East 40th Street, New York City, together with the reports of the Superintendent of Buildings and Grounds, the Manager of Purchases, and the Manager of Residential Halls, will be forwarded to the members of the Faculty and Alumni upon receipt of specific request addressed to the Comptroller of Cornell University, Ithaca New York.

APPENDIX I

REPORT OF THE DEAN OF THE UNIVERSITY FACULTY

To the President of the University:

SIR: I have the honor to submit the following report of the University Faculty for 1935-36:

THE FACULTY MEMBERSHIP

The faculty membership for the year (instructors and assistants are not included) was 578, including 434 in the Faculty at Ithaca, 122 in the Medical College in New York City, 18 at the Agricultural Experiment Station at Geneva, N. Y., and 4 at the Agricultural Experiment Station on Long Island. Included are 27 Emeritus Professors in the Faculty at Ithaca and 10 in the Faculty of the Medical College.

The close of the year brought the retirement of Dean Dexter S. Kimball, Professor Hugh C. Troy, and Professor James G. Needham, each having completed a long and notably successful period of service in the University.

Three members of the Faculty died during the year: Emeritus Professor Herbert C. Elmer, on September 24, 1935; Professor David C. Gillespie, on October 31, 1935; and Professor John I. Hutchinson, on December 1, 1935.

ELECTIONS AND APPOINTMENTS

At the October meeting Professors George L. Hamilton and Albert H. Wright were reelected to the Library Council for a term of two years beginning November 1, 1935, by the Group of Letters and the Group of Science respectively. On November 13 the Group of Science elected Professor Carlton C. Murdock to take the place on the Library Council made vacant by the death of Professor David C. Gillespie on October 31.

The Group of Science reelected Professor Roswell C. Gibbs to the Heckscher Council for the four year term beginning November 1, 1935.

At the December meeting Professor Donald English was elected faculty representative on the Board of Trustees for the term of five years beginning January 1, 1936, to take the place of Professor Julian P. Bretz whose term expired.

Professor Oscar D. von Engeln was appointed to membership on the Administrative Board of the University Summer School for the term of four years beginning November 1, 1935, to succeed Professor George H. Sabine whose term expired.

THE SECOND ALUMNI INSTITUTE

The second alumni institute was held June 15-18, being planned and conducted by faculty committees under the chairmanship of Professor W. C. DeVane with Mr. Foster M. Coffin serving as secretary. The institute was highly successful but the number of alumni in attendance was small. There were forty-five persons enrolled, twenty-six women and nineteen men. The presence of faculty members and of other interested local people brought the total attendance of the various sessions to near last year's figures.

The program dealt broadly with "The Arts in an Industry Democracy." The discussions and the leaders of them were: The Contemporary Stage, by Professor A. M. Drummond, with round tables led by Professors William Strunk, jr., and J. F. Mason; The Proletarian Movement by Professor G. H. Sabine, with round tables by Professors W. C. DeVane, K. L. Washburn, and R. L. Montgomery; Art in Modern Structure: Architecture by Professor F. H. Bosworth; Art in

Modern Structures: Engineering by Professor S. C. Hollister; Highways by Professor W. L. Conwell; From Jones Beach to Versailles by Professor G. D. Clarke; The Effect of an Industrial Democracy on the Dwelling by Professors J. A. Hartwell and W. M. Dunbar, with a round table led by Professors Margaret Wylie and Ethel B. Waring. On Tuesday evening Professor Otto Kinkeldey discussed Modern Music and on Wednesday evening Professor A. M. Drummond presented Illustrations of the Modern Stage and Screen. A bird walk was conducted by Mr. P. P. Kellogg on Thursday morning.

THE COURSE IN CHEMICAL ENGINEERING

Undoubtedly one of the major problems of university administration is that of focussing the resources of an institution upon new activities that do not fall wholly within the confines of established units of organization. Unless and until new units in the structure of a university are indicated as necessary for such undertakings there must be cooperative efforts between existing departments. In an institution of as diversified interests as Cornell University there are always a number of arrangements of this sort, some of them permanent, others frankly regarded as temporary and exploratory.

During the past year the University Faculty has formally approved the proposal made by the two faculties most concerned, providing that, beginning with September 1936, "both old students already entered in the course leading to the degree Chemical Engineer and new students intending to take it be required to register both in the College of Arts and Sciences (Department of Chemistry) and in the College of Engineering; and that a supervisory committee on Chemical Engineering be appointed by the President, the membership to consist of those members of the staff of the Department of Chemistry and of the College of Engineering most directly concerned with the principal courses given in the Chemical Engineering curriculum."

LIBRARY ADMINISTRATION

Another area in which the resources of the University might perhaps be better utilized than at present, is that of the library services. The main problem here, aside from the great need of increased financial support and of additional space, is the degree of centralized control over scattered units that is desirable in order to avoid unnecessary duplication and to promote unified library services, and at the same time not to weaken the local interest and initiative that have secured support for existing subdivisions of the library and that have kept these units responsive to the needs of the areas which they serve. Several proposals have been brought before the Faculty but no final action has yet been taken.

THE LIVING CONDITIONS OF MEN STUDENTS

The erection of new units in the plan of dormitories for men is gradually improving the conditions under which men students in the University live. The University Administration has of course interested itself continuously in improving the physical housing of men students but the University Faculty, in accord with its traditional policy of exercising only a minimum of supervision over student life and activities, has not concerned itself with dormitory conditions.

In the annual report of the College of Arts and Sciences for 1934-35, Dr. R. P. Sibley, as Acting Dean, called attention to the efforts of other institutions "to create in their residential halls an atmosphere favorable to intellectual interests", and he questioned whether the time had not come for Cornell to take up this problem. The question being raised also in the University Faculty, that body referred it to its Committee on University Policy and later it approved the Committee's suggestion that the President be asked to appoint a committee to give continuing attention to this subject, cooperating with university officers of administration, and reporting to the Faculty and the Board of Trustees such meas-

ures as seemed desirable. The Board of Trustees at once showed its readiness to cooperate by placing certain rooms in the dormitories aside for use in any plan that might be developed.

PROPOSAL OF A NEW DIVISION IN THE UNIVERSITY

During the year the Faculty gave consideration, without approval, to a proposal that a new division be set up in the University, designed to accommodate students qualified for university work, not ready to decide upon a field of specialization, and desiring an opportunity for exploration of interests and capacities.

While the proposal met with some measure of approval, there was doubt both as to whether existing facilities do not meet the need, and as to whether, if they do not, the University is at present able to undertake the task of setting up new offerings that would accomplish the end in view. Merely to afford greater freedom to students to try themselves out in existing course offerings would probably not be effective; what would be needed is a considerable reorganization with particular emphasis on student orientation.

As presented to the Faculty the plan provided not only for a new curriculum but for a new plan of admission. While the former proposal was not accepted, provision was made for continued study of admission policies. These latter are of increasing importance not only in view of changes current in American institutions but also because of the pressure for admission to many units of the University.

THE WORK OF THE COMMITTEES

As is usual, a large part of the work of the Faculty has been carried on by the standing committees.

The Committee on Lectures provided a series of eighteen lectures with the approval and aid of departments or groups of faculty members interested in the subject matter presented. The Messenger Lectures were delivered in the second term by Professor William Moir Calder of the University of Edinburgh who gave an account of the evolution of Christianity in Asia Minor to the time of Constantine. The Committee has arranged for the Messenger Lectures for next year and is negotiating on the program for 1937-38.

The Committee on Music maintained the usual two series of concerts during the year—the Bailey Hall series of four concerts and the Willard Straight series of three concerts. The Bailey Hall series met with unprecedented popular approval, the season ticket sale being the largest in the history of these concerts and the auditorium being filled on each occasion. The audiences at the Willard Straight series were somewhat smaller than usual perhaps because the string quartets presented were not well known locally. The Committee has decided to keep to a somewhat reduced number of concerts for another year. In 1936-37 there will be four concerts in the Bailey Hall series, and two in the Willard Straight series, in addition to a free concert to be provided by the Elizabeth Sprague Coolidge Foundation.

The Committee on Student Conduct made informal report at the June meeting, giving the following summary of persons presenting requests before the Committee or being involved in misconduct during the last five years.

Traffic violations and automobile accidents.	III
Violations of university traffic rules.	74
Disorderly conduct of many varieties.	I77
Forgery, passing bad checks.	16
Theft.	35
Bodily injury to fellow students.	II
Improper use of telephones.	4
Improper use of firearms.	6
Remaining in Ithaca after removal from the University	II
Failure to observe parole.	7

Failure to take physical examination	32
Requests for modification of committee decisions	42
Requests for permission to remain in Ithaca	40
Requests for use of automobile during parole	3
Five year total	569

Many of the offenses included in this summary were of course of a trifling nature, particularly many of those listed as violations of traffic rules. Since each of the cases dealt with involves repeated interviews and correspondence not only with the students but with parents and others interested, the work of this committee constitutes a considerable burden as well as a great responsibility. The Committee records its great appreciation of the help given in its work by two students designated to this service by the Student Council, Mr. Charles E. Dykes '36 and Mr. John M. Batten '37.

CORNELIUS BETTEN,

Dean of the University Faculty.

APPENDIX II

REPORT OF THE DEAN OF THE GRADUATE SCHOOL

To the President of the University:

SIR: I have the honor to present the report of the Graduate School for the year 1935-36.

ADMISSION AND ENROLLMENT

The total enrollment in the Graduate School for the academic year 1935-36 was 816, an increase of 63 (8.4 per cent) over 1934-35. As may be seen from Table IV, below, this increase is spread over the several fields of graduate study, except that in the Physical Sciences, and in Engineering and Architecture there were small decreases. Of these students, 257 (31.4 per cent) had had their undergraduate work at Cornell; 460 (56.3 per cent) came from other institutions in the United States; and 101 (12.3 per cent) from foreign countries. Over one-half (55.2 per cent) of the graduate students during 1935-36 were candidates for the doctorate.

There were awarded during the year, including the September (1935) degrees, 337 advanced degrees, of which 124 were doctor's degrees, and 213 master's degrees.

There is no simple yardstick by which to measure the quality of the present graduate student body, as compared with that of, say, ten years ago. There are very definite indications, however, that there has been substantial improvement in recent years, due in part to the present system of admissions. Granted that such improvement has taken place, we should see to it that it be paralleled by corresponding improvement in the facilities we have to offer graduate students for advanced study and research.

EXAMINATIONS FOR THE PH.D.

During the year, the Faculty has made some significant changes in our system of examinations for the Ph.D.

For many years the only examination required of candidates for the doctorate was the final examination, usually oral, given by the candidate's special committee at the end of candidacy. In 1917 the qualifying examination was introduced, to be given normally before the beginning of the fifth term of residence, and to determine "whether the candidate has made satisfactory progress and is

qualified to proceed in due order to complete the requirements for the degree." The special committee was permitted to waive this examination. Initially only a few special committees gave qualifying examinations, but in recent years waivers have become much less common. Moreover, the purpose of the examination has gradually changed. Whereas initially the examination was primarily intended to ascertain whether the candidate would be likely to pass the final examination, if he be allowed to proceed that far, now there is much more emphasis on fitness to enter upon a program of work for the Ph.D. With this emphasis assuming increased importance, it is desirable that the qualifying examination be given much earlier than the beginning of the fifth term of residence.

The final examination, usually a three-hour oral, was a trying ordeal for the student; and hardly less so for the special committee. Furthermore, it was necessary for the student to prepare for this examination at a time when he should be able to devote most of his time and energy to the completion of his thesis.

It seems probable that the new plan for the examinations for the Ph.D., adopted by the Faculty at its February meeting, will be more satisfactory from the standpoint of both faculty and students. In this new plan the primary purpose of the qualifying examination is to determine whether the student is qualified to continue work for the doctorate; and is to be given ordinarily at the end of the first year of graduate study. The final examination may be given in two parts: the first part, normally at the end of the second year of candidacy, on major and minor subjects; and the second part at the end of candidacy on the thesis and related topics. (Both of these parts may, however, be given in combination at the end of candidacy.)

It is hoped that this new plan will be more satisfactory to both students and Faculty; and that the increase in free time for research during the last year of graduate study will result in substantial improvement in theses.

FELLOWSHIPS AND SCHOLARSHIPS

In March, 1934, the Faculty voted to combine the stipends of certain scholarships with those of certain fellowships to make the stipends attached to the fellowships larger. These increased stipends were announced in the Announcement of The Graduate School for 1935-36; and the applications received for fellowships for 1936-37 were the first ones following the announcement. It was the general impression of the Faculty that the increased stipends attracted a higher class of applicants. This experience should be kept in mind in the establishment of new fellowships in fields which now have no such assistance to offer graduate students. In general, our need is not so much for a large number of fellowships as for fellowships that will attract able students. Large stipends are not to be advocated, although when a fellowship is given the stipend should be large enough to enable the student to live comfortably, so that his entire energy may be devoted to his work. When such fellowships are available, then superior men will be attracted by the calibre of our graduate offerings, equipment and Faculty personnel both considered. A few outstanding graduate students in each field will do much to raise the level of graduate instruction.

The action of the Trustees in increasing the number of tuition-free scholarships from 20 to 30 will make it possible to provide assistance to a larger number of capable students who lack only tuition to enable them to continue graduate work.

REQUIREMENTS IN FOREIGN LANGUAGE

For entrance to the Graduate School, candidacy for M.S. in Ed. or M.S. in Agr. excepted, three entrance units of one foreign language, or two units in each of two, are required. Candidates for the Ph.D. are required to demonstrate a reading knowledge of French and German ordinarily before the beginning of the fourth term of candidacy. These requirements have been in force so long in the better American Universities, that they have become almost traditional.

The decreasing emphasis on the study of foreign languages in both High School and College, particularly in the middle West, has created a difficult problem.

Many of the applicants for entrance to our Graduate School, otherwise well equipped by both aptitude and previous training for graduate work, either have had no training at all in foreign language, or at most only two units. To interpret our language requirements literally would exclude many desirable students. Furthermore, students who have had no training in either French or German cannot do justice to a full program of graduate work while simultaneously acquiring, in three terms, a reading knowledge of both languages.

There is, however, on the part of the Faculty as a whole, no disposition to lower our requirements in foreign language, either for entrance or for the Ph.D. The General Committee and the Language Examination Board are now studying the problem with the hope that some plan may be adopted which, while maintaining our standards, will make it unnecessary for us to exclude capable students.

This foreign language problem is the more important because it is illustrative of many problems which graduate schools are facing on account of the rapid changes which are taking place in all phases of human society. How can our system of higher education be adapted to these new conditions without lowering standards or ideals? We should at all times be ready to consider altering our procedures and even policies; but in so doing we should strive to raise, rather than to accept a lowering of, the level of our graduate offerings and requirements. The service rendered by our Graduate School will be measured much more by the relatively few men of outstanding ability who complete their graduate studies here, than by the total number of advanced degrees which we grant annually.

F. K. RICHTMYER,

Dean of the Graduate School.

TABLE I

STATISTICS OF ATTENDANCE OF GRADUATE STUDENTS

a. TOTAL ENROLLMENT

	1935-36	1934-35	1933-34	1932-33	1931-32
Number of students registered during the academic year. . . .	816	753	791	1044	1139
Number of students registered during the summer, as below					
Summer Sessions.	736	625	599	718	860
Personal Direction.	571	491	453	559	619
Personal Direction.	165	134	146	159	241

b. COMPARATIVE ENROLLMENT OF

GRADUATE STUDENTS FOR FIVE-YEAR PERIODS

1905-06	1910-11	1915-16	1920-21	1925-26	1930-31	1935-36
232	372	482	438	659	1020	816

c. NEW GRADUATE STUDENTS DURING THE ACADEMIC YEAR 1935-36

Ph.D. degrees.	100
A.M. and M.S. degrees.	131
Professional Master's degree.	60
Resident Doctors.	6
Non-candidates.	22
Total.	319

TABLE II

GRADUATE STUDENTS RECEIVING DEGREES, CLASSIFIED ACCORDING TO THE DEGREE RECEIVED

	1935-36	1934-35	1933-34	1932-33	1931-32
Master's Degrees.					
Masters of Arts.	72	48	65	96	111
Masters of Arts in Education.	10	10	5	15	5
Masters of Science.	70	49	55	65	84
Masters of Science in Education.	13	5	9	8	5
Masters of Science in Agriculture.	13	9	6	8	3
Masters of Science in Engineering.	7	7	0	0	0
Masters of Forestry.	1	1	3	5	2
Masters of Laws.	1	0	0	0	0
Masters of Chemistry.	3	0	3	3	2
Masters of Architecture.	3	1	0	1	4
Masters of Fine Arts.	1	0	0	1	0
Masters of Landscape Architecture.	0	0	0	1	0
Masters of Civil Engineering.	16	11	7	11	15
Masters of Electrical Engineering.	0	0	7	4	11
Masters of Mechanical Engineering.	3	2	4	12	7
Total Masters Degrees.	213	143	164	230	249
Doctors of Philosophy.	124	136	135	149	133
Doctors of the Science of Law.	0	0	4	2	0
Total.	337	279	303	381	382

TABLE III

GRADUATE STUDENTS CLASSIFIED ACCORDING TO THE DEGREES FOR WHICH THEY ARE CANDIDATES

	Academic Year 1935-36	Summer 1935
Doctors of Philosophy.	451	180
Doctors of the Science of Law.	2	0
Master's Degrees, as below.		
Masters of Arts.	100	178
Masters of Arts in Education.	1	45
Masters of Science.	111	100
Masters of Science in Education.	14	134
Masters of Science in Agriculture.	23	16
Masters of Science in Engineering.	9	4
Masters of Forestry.	3	1
Masters of Laws.	1	0
Masters of Chemistry.	4	2
Masters of Architecture.	4	0
Masters of Fine Arts.	3	2
Masters of Landscape Architecture.	2	0
Masters of Civil Engineering.	22	18
Masters of Electrical Engineering.	1	0
Masters of Mechanical Engineering.	5	2
Non-candidates:		
Resident Doctors.	21	10
Non-candidates.	26	22
Others (withdrawals, duplicates, etc.).	13	2
Total.	816	717

TABLE IV
GRADUATE STUDENTS CLASSIFIED ACCORDING TO THE GROUP
IN WHICH THE MAJOR SUBJECT FALLS

	1935-36	1934-35	1933-34	1932-33	1931-32
Group A, Languages and Literatures	109	97	110	119	163
Group B, History, Philosophy and Political Science	153	148	161	186	199
Group C, Physical Sciences	135	145	143	227	245
Group D, Biological Sciences	196	190	213	263	257
Group E, Engineering, Architecture	64	71	39	99	99
Group F, Science Departments, New York City	10	12	11	7	8
Group G, Agricultural Sciences	96	54	61	78	90
Group H, Law	4	1	3	6	1
Group I, Education	49	35	50	59	78

TABLE V
INSTITUTIONS FROM WHICH STUDENTS ENTERED THE GRADUATE SCHOOL

Acadia University	1	Cincinnati, University of	1
Alabama Polytechnic Institute	1	Citadel, The	1
Alberta, University of	1	Clark University	1
Albright College	1	Clemson Agricultural College	6
Alfred University	6	Coe College	1
Allegheny College	3	Colgate University	2
Alma College	1	Colorado College	2
Amherst College	2	Columbia University	2
Amsterdam, University of	2	Connecticut State College	4
Arkansas College	1	Cornell University	257
Arkansas, University of	3	Dalhousie College	1
Barnard College	1	Dartmouth College	8
Beirut, American University of	1	Davidson College	2
Berlin Agricultural College	1	Denison University	3
Bethany College	1	Denver, University of	1
Bombay University	3	De Pauw University	4
Bonn, University of	1	Duke University	2
Bowdoin College	2	Durham University	1
Bridgewater College	1	E. A. Luiz de Queiroz	1
Brigham Young University	2	Edinburgh, University of	1
Bristol University	1	Elmira College	2
British Columbia, University of	4	Escuela de Agricultura, Costa Rica	1
Brooklyn College	1	Florida, University of	1
Brooklyn Polytechnic Institute	1	Furman University	4
Brown University	1	George Washington University	1
Bucarest College of Agriculture	1	Georgetown College	1
Bucknell University	5	Goucher College	3
Buffalo, University of	2	Granada, University of	1
Butler University	3	Gusenheim	1
Cairo	1	Hamburg University	1
California, University of	10	Hamilton College	3
Carnegie Institute of Technology	1	Hartwick College	1
Case School of Applied Science	1	Harvard University	3
Cheelo University	1	Haverford College	5
Chiao Tung University	3	Helsinki University	1
Chicago, University of	2	Hiram College	5
China, National Central University of	1	Hobart College	5
		Hope College	1

Houghton College	2	New York, College of the City of . . .	4
Howard University	1	New York State College for Teach-	
Hunan University	1	ers	4
Hunter College	2	New York University	4
Idaho, University of	2	New Zealand, University of	2
Illinois, University of	10	Niagara University	1
Indiana University	2	North Carolina State	3
Institute National of Agriculture . .	1	North Carolina, University of	2
Iowa State College	10	North Carolina, Woman's College	
Ithaca College	1	of the University of	1
Johns Hopkins University	1	North Texas State Teachers College	1
Juniata College	1	Northwestern University	2
Kalamazoo College	1	Notre Dame	1
Kansas State Agricultural College . .	2	Oberlin College	7
Kansas State Teacher's College . . .	1	Ohio State University	7
Kansas, University of	5	Ohio, University of	1
Kentucky, University of	3	Ohio Wesleyan University	2
Lafayette College	2	Oklahoma A. and M. College	1
Lausanne	1	Oklahoma University	1
Lebanon Valley College	1	Oregon State College	2
Leeds University	1	Oregon, University of	1
Lewis Institute	1	Otterbein College	1
Linfield College	1	Peiping, National University of . . .	2
London University	1	Peiyang University	3
Louisiana State University	5	Pennsylvania State College	7
Louisville, University of	1	Pennsylvania, University of	4
McGill University	4	Philippines, University of the	2
McMaster	2	Pittsburgh, University of	5
MacPhail Conservatory of Music . . .	1	Pomona College	2
Maine, University of	6	Prague State School of Architecture	1
Manitoba, University of	2	Pretoria University	1
Marquette University	1	Princeton University	1
Massachusetts Institute of Tech-		Puerto Rico, University of	5
nology	3	Puget Sound, College of	1
Massachusetts State College	5	Purdue University	5
Miami University	1	Queens University	3
Michigan State College	6	Radcliffe College	1
Michigan State Normal College	1	Randolph-Macon Woman's College	2
Michigan, University of	6	Richmond, University of	2
Middlebury College	3	Rochester, University of	7
Milan, University of	1	Rockford College	1
Minnesota, University of	4	Rollins College	2
Mississippi State	1	Rutgers University	1
Mississippi, University of	1	St. John's University	2
Missouri, University of	5	St. Lawrence University	1
Montana, University of	2	St. Olaf College	1
Montreal, University of	1	St. Thomas College	2
Moscow, University of	1	Shaw University	1
Mount Holyoke College	4	Shurtleff College	1
Muskingum College	1	Slippery Rock State Teachers Col-	
Nanking, University of	9	lege	2
National Central University	1	Simmons College	1
National Normal University	1	J. C. Smith College	2
Nebraska, University of	8	Smith College	3
Nebraska Wesleyan University	1	Sofia University	1
Nevada, University of	1	Soochow University	3
New Hampshire, University of	6	South Africa, University of	1
New Jersey College for Women	2	South Carolina, University of	1
		South Carolina State College	1

South Dakota State College	2	Virginia, University of	2
Southern California, University of . .	1	Wabash College	1
Spearfish Normal School	1	Walla Walla College	1
Stanford University	5	Warsaw, College of	1
Sun Yat-sen University	1	Washington and Jefferson College . .	2
Sweet Briar College	2	Washington and Lee	2
Syracuse University	5	Washington State College	3
Talmage College	1	Washington University	1
Tennessee, University of	1	Washington, University of	3
Texas A. and M. College	4	Wayne University	1
Texas, University of	2	Wellesley College	3
Thiel College	1	Wells College	1
Toronto, University of	7	Wesleyan University	4
Tsing-hua University	3	West Texas State Teacher's College	1
Tulane University	1	West Virginia, University of	3
Tuskegee Institute	2	Western Ontario, University of . . .	3
Union College	3	Whitman College	1
Union University	1	Whittier College	1
United States Military Academy	4	William and Mary College	1
Utah, University of	1	William Smith College	1
Utah State Agricultural College	5	Williams College	2
Vanderbilt University	1	Wilson College	3
Vassar College	3	Wisconsin, University of	7
Vermont, University of	4	Wittenberg College	1
Virginia Military Institute	1	Wooster College	2
Virginia Polytechnic Institute	3	Worcester Polytechnic Institute . .	1
Virginia State College	2	Yale University	2

TABLE VI

GEOGRAPHICAL DISTRIBUTION OF GRADUATE STUDENTS

Alabama	3	New York	332
Arizona	1	North Carolina	11
Arkansas	4	North Dakota	1
California	17	Ohio	24
Colorado	3	Oklahoma	2
Connecticut	8	Oregon	3
District of Columbia	8	Pennsylvania	52
Florida	2	Rhode Island	2
Georgia	2	South Carolina	14
Idaho	4	South Dakota	4
Illinois	15	Tennessee	1
Indiana	16	Texas	7
Iowa	4	Utah	6
Kansas	5	Vermont	6
Kentucky	7	Virginia	16
Louisiana	5	Washington	7
Maine	8	West Virginia	5
Maryland	7	Wisconsin	7
Massachusetts	19	<i>United States Possessions</i>	
Michigan	16	Hawaii, Territory of	1
Missouri	9	Philippine Islands	2
Montana	5	Puerto Rico	5
Nebraska	9	Total Number of Students from	
Nevada	1	United States	715
New Hampshire	8	Brazil	1
New Jersey	20	Bulgaria	1
New Mexico	1	Canada	27

China	35	Italy	1
Costa Rica	1	Japan	1
Czechoslovakia	1	New Zealand	2
Egypt	1	Norway	1
England	4	Republic of Panama	1
Finland	1	Poland	1
France	1	Roumania	1
Germany	5	Scotland	1
Holland	3	South Africa	2
Hungary	1	Spain	2
India	5	Total Number of Students from Foreign Countries	101
Iraq	1		

APPENDIX III

REPORT OF THE DEAN OF THE COLLEGE OF ARTS AND SCIENCES

To the President of the University:

SIR: I have the honor to present this report of the College of Arts and Sciences for the academic year 1935-36.

Among the more important changes in policy and practice of the College I note the following:

1. By action of the faculty, taken last year, and described in the previous report of the College, freshman students are now permitted to stand examinations for credit, both in courses which they have not yet pursued in College, and also in year-courses which, at the time, they are pursuing. As a result of the examinations held at mid-year, twelve credits were earned in courses not previously taken in College. They were in Chemistry, English, Mathematics, and Physics. Fifty-one students who were pursuing a year-course earned credit for the second term's work. These credits were earned in English, French, German, Spanish, Hygiene, and Physics. There were two failures among those examined in the first-named class, and seventeen in the second.

Secondary schools, from which we ordinarily receive a large number of our students, have been informed of the new practice, and we expect an increase in applicants for this privilege of meeting by examination, without class-room study, the College requirements in those subjects which are also taught in secondary schools.

2. A new plan of scheduling the courses of freshmen before entrance will be put in operation this summer, under the direction of the Chairman of the Advisory Board for Underclassmen, Professor J. G. Jenkins. The schedule of courses and hours of class-room meetings for freshmen will be arranged by correspondence. It is hoped by this method to secure a more thoughtful consideration of the courses elected, and also to avoid some of the congestion of the registration period. Freshmen will be assigned to advisers when the study-card is approved by the Chairman. They will then be given opportunity to consult their advisers at the time of registration. With schedules already checked to conform with the regulations of the College, it is hoped that time will be found at the interview to focus the interest of adviser and advisee on the more general problems of college life and study.

3. With the approval of the faculty, a Dean's list has been inaugurated. At the close of each term we are now publishing the names of the twenty-five students who rank highest in each class. With the freshman list, the schools at which these students prepared are also named; and the schools are informed by letter of those of their former students who have attained this distinction.

4. By action of the faculty a minor change has been made in the conditions for Honors in General Studies. Henceforth those who qualify must attain a grade of 80 or better in 90 hours of credit, and 90 or better in 60 hours. There may be no failures in courses, and not more than one grade below 70. Thirty of the 385 students who have received the degree A.B. during the past year were awarded honors in general studies under this provision.

5. As regards fields of concentration under our new plan, changes in distribution since my report for 1933-34 have not been great. At that time some 900 students, who had elected a major subject, were distributed among twenty fields, three-quarters of them having elected six fields. Some twenty per cent, each, had elected Economics and Animal Biology, fourteen per cent English, and about six per cent, each, Chemistry, Government, and History. At the beginning of this year some 800 students had elected to concentrate in the same number of fields; but nearly eighty per cent of them had elected work in six fields. Again Economics and Animal Biology headed the list, each with a slight percentage-increase. English was again third, but with fifteen per cent, Chemistry and Government also showed increases, and French had displaced History as the sixth subject of favor.

In view of the flexibility of elections under the new plan, it has been decided to place the responsibility for the administration of the major-group requirement more fully in the hands of the departments concerned. Henceforth, each department will assemble the records of its advisees, and make provision for supervising the fulfillment of its requirements.

6. By action of the faculties concerned, students who pursue the course leading to the degree, Chemical Engineer, will hereafter be registered both in this College and in the College of Engineering.

7. The group of departments which has hitherto been responsible for the study of history was this year reorganized into a department of history under the administrative leadership of a chairman, elected by the members of the department.

8. It is proposed to introduce, next year, two new courses, one in French Civilization and the other in German Civilization. These courses, administered by the language departments concerned, will be open to freshmen who have credit for a minimum of three entrance-units in the language, and who are taking, or have taken, the equivalent of the freshman course. The new courses will each consist of lectures and sectional meetings for discussion, and for the translation of foreign-language texts. The purpose of these courses is to enliven the study of these two modern languages, and to lay a firmer foundation for their appreciation and understanding.

The number of students enrolled during the year has been substantially the same as the number of last year—1825 as compared with 1823. The departments of the College are keenly alive to their various responsibilities. Attention is constantly being given to the revision of course-offerings, and especially to those courses which serve, in addition to our own students, large numbers from the other Colleges of the University. Need is felt in many quarters for increased facilities, space, equipment and books, and also for improvement in salaries. During the recent past no fewer than twelve members of our professorial staff have been retired by reason of superannuation or death. No one of these places has yet been filled by an appointment of equal rank. We are, however, adding a group of promising younger men to the staff, and we hope that additional funds will make promotions and improvements in salary possible whenever such advancements are clearly indicated.

The reports of the several departments include a number of special proposals and requests which I will bring to your attention as occasion permits.

The members of the standing committees of the College have worked faithfully throughout the year, and I wish to record my appreciation of the services they have rendered. A list of these committees follows, with the date of retirement for each member:

Educational Policy: W. B. Carver (1936), W. C. DeVane (1938), J. R. Johnson (1938), F. G. Marcham (1937), B. S. Monroe (1936), P. M. O'Leary (1937).

The recently elected members to succeed Professors Carver and Monroe are C. C. Murdock (1939) and G. H. Sabine (1939).

Advisory Board for Underclassmen: J. C. Adams (1938), R. P. Agnew (1937), H. W. Briggs (1937), J. A. Dye (1937), M. L. Nichols (1936), A. P. Pelmont (1936), G. H. Sabine (1936), B. P. Young (1938), J. G. Jenkins (1938), Chairman.

Committee on Academic Records: H. B. Adelmann (1937), L. N. Broughton (1938), E. A. Burttt (1936), R. W. Church (1938), M. S. Kendrick (1938), M. L. W. Laistner (1937), F. H. Rhodes (1936), L. P. Smith (1936), H. A. Wichelns (1936), J. G. Jenkins (ex officio).

Committee on Boldt and Hall Scholarships: F. G. Marcham (1936), Chairman, C. M. Nevin (1937), V. S. Lawrence (1938), R. P. Sibley (ex officio).

Committee on Conduct of Examinations: Ruth Bentley (1936), J. D. Burfoot (1937), J. W. Clarke (1937), W. S. Conable (1936), W. W. Flexner (1938), J. G. Jenkins (1938), William Kellogg (1936), Howard Simons (1938), F. A. Southard (1937), R. H. Wagner (1936), Alice E. Walker (1937).

R. M. OGDEN,
Dean of the College of Arts and Sciences.

APPENDIX IV

REPORT OF THE DEAN OF THE LAW SCHOOL

To the President of the University:

SIR: I have the honor to submit the following report covering the Cornell Law School for the academic year 1935-36.

The Law School opened, as is its custom, several days in advance of the rest of the University, namely, on September 14, and held its separate Commencement on Thursday, May 28, the exercises being preceded on the evening of the 27 by the usual Third Year Dance, held in the Men's Lounge of Myron Taylor Hall. The Commencement speaker was Mr. Whitney Shepardson, of New York City.

The personnel of the Law Faculty remained unchanged during the year. Professor Edgerton returned in the autumn from a year's sabbatic leave, during which he had been in Washington serving as an Assistant to the Attorney General. During this past year Professors Stevens and Wilson were on sabbatic leave during the first and second terms respectively.

No member has been added to the Law Faculty since Professor MacDonald was appointed in 1936. Mr. Morse, who was already Assistant Librarian, was in 1932 also appointed Assistant Professor, and since that time has given a two-hour course for one term each year. It was recognized before the depression that a minimum full-time faculty for a first-class law school, such as that at Cornell claims to be, would be a faculty of 12. It has stood now at 10 for 6 years. Our alumni keep urging new courses upon us, and the faculty feels a great need for expansion. Furthermore the modern tendency in legal education is in the direction of more informal study and of study in smaller groups in the upper classes, developments which obviously call for a larger faculty personnel. We should during the next two years look to the addition of two men of at least assistant professorial rank to the Law Faculty. The rosters of other first-class law faculties show (1935):

Harvard	34
Yale	28
Columbia	27
California	16
Chicago	11
Michigan	16
Pennsylvania	19
Northwestern	22

During the year Professor Stevens has brought out his textbook on Corporations; the first volumes of the second edition of Williston on Contracts, published by Professor Williston of Harvard and Professor Thompson of Cornell, have begun to appear, and Professor Robinson has published a second edition of his casebook on Public Utilities. Professor Whiteside has just seen through the press a casebook on Future Interests which will appear in the autumn. Articles by members of the faculty have also appeared in various legal magazines. Professor Stevens continues to act as Faculty Representative on the Board of Trustees, and as a New York representative on the Conference of Commissioners on Uniform State Laws. The writer is still Chairman of the New York State Law Revision Commission, and Professor MacDonald is Executive Secretary and Director of Research of that body. The Commission continues to enjoy the hospitality of the University, occupying offices in Myron Taylor Hall. During the year Professors Whiteside of Cornell and Powell of Columbia prepared a remarkably fine study on The Rule against Perpetuities for the Commission, which has been very widely praised.

The scholarships in law created by the University continue to be of the greatest value to us. Ten university scholarships are for use generally in the School and five are specifically earmarked for First Year students. This past year we used 13 of these scholarships to draw able men to the Law School; for next year we have awarded 11 and shall probably award another. The credentials of these men are exceedingly impressive, both as to scholarship and personal qualities. Occasionally they prove disappointments, but a large majority of them do very well, complete their law work at Cornell, and assume a leadership in their classes.

For upperclassmen who do well and who are needy—of whom there are many—we use a few University scholarships, a small group of scholarships which are endowed or are given annually by our alumni, and our loan funds. The distribution of these is a trying task because the needs so far outstrip the funds available. Very many of the students work themselves to cover a part of their expenses, but often this proves a great handicap.

The Law School has no graduate fellowships. Harvard, Yale and Columbia devote very substantial sums to such fellowships, the amounts attaching to some of them running as high as \$3,000. We need two fellowships in the sum of \$2,400—perhaps in the form of teaching fellowships. These would aid the situation which we face created by our small faculty personnel, and would greatly help to develop first class graduate work in law.

In Boardman Hall we lacked room for our books. When we were planning for the move to Myron Taylor Hall, with its provision for large library expansion, we naturally looked forward to at least a doubling of our law library appropriation. Instead it proved necessary three years ago to cut that item from \$9,000 to \$8,500. The restoration for 1936-37 of the library fund to \$9,000 is greatly appreciated; but still we are falling badly behind the libraries of comparable schools where more than twice our appropriation is spent annually on books. Our law library fund needs to be gradually increased so that we may maintain and develop the laboratory material necessary for a school of our character.

With the funds at our disposal very constructive work has been done during the past year. In the first place the complete recataloging of our collection of some 80,000 volumes continues. Gaps in the Myron Taylor Collection of League of Nations Publications have been largely filled during the year, and a complete set of Mandates Reports has been added to our International Law collection. The Bennett Collection of Session Laws, which is outstanding, has been increased by 159 volumes. Important sets of judicial reports, and of legal periodicals have been added to our already very complete collections in these fields.

Professor Morse has made a specially successful drive during the year to obtain sets of Attorneys General Reports, Bar Association Reports, Judicial Council Reports, Railroad and Public Utility Reports, Tax Reports, and Workmen's Compensation and Industrial Commission Reports. In the course of this work Professor Morse prepared and published the first check list of Judicial Council Reports, and is now preparing for publication an exhaustive bibliography of

Attorneys General Reports and Opinions. He is also compiling a Chronicle of English Judges, not before attempted, the expense of publication to be borne by one of our alumni.

2,960 volumes have been added to the Law Library during the year. 549 of these volumes were given to the Library. Professor Morse has also been most successful in obtaining books which we need through exchanges arranged with other law librarians. 250 volumes have been bound or repaired during the year. The total number of volumes in the library is now 78,652.

The 1935-36 volume of the *Cornell Law Quarterly* was dedicated to Honorable Cuthbert W. Pound and had a distinguished list of contributors.

The tenth final Moot Court argument was staged the middle of April. The Court was composed of Judge Edward R. Finch, of the New York Court of Appeals, presiding, Justice Edmund H. Lewis of the New York Appellate Division, Fourth Department, and Justice Parton Swift of the New York Supreme Court.

Mr. Walter Fairchild, of New York City, delivered the annual address on the Frank Irvine Foundation, and also delivered two lectures before the Third Year Class in Property.

The exercises of graduation of the Cornell Law School were held on the morning of Thursday, May 28, at 11 o'clock in the Moot Court Room of Myron Taylor Hall. President Farrand awarded the degrees; the principal address was delivered by Mr. Whitney H. Shepardson, of New York City; short addresses were also delivered by President Farrand and Dean Burdick.

In June 1936 the Boardman Scholarship for the best work done during the preceding four terms was awarded to Daniel G. Yorkey. For the academic year 1935-36 the first and second Fraser Scholarships were awarded by vote of the Third Year Class to John F. Maddever and Frederick W. Whiteside, jr. The W. D. P. Carey Exhibition for the best work done in the comprehensive examination at the end of the Third Year was won by Robert S. Pasley, jr. The following members of the Third Year Class were elected during the year to the Order of the Coif, the honorary legal fraternity: John F. Maddever, Willi Kohler, John M. Friedman, Robert S. Pasley, jr., and Frederick W. Whiteside, jr.

The total Law School registration throughout the past three years has been as follows:

	1933-34	1934-35	1935-36
Third Year	43	35	55
Second Year	48	59	53
First Year	94	85	92
	185	179	200

Of the total of First Year students those also registered as seniors in the College of Arts and Sciences numbered 42 in 1933-34, 35 in 1934-35, and 41 in 1935-36. Of the students registered in the Law School 38% lived outside of New York in 1933-34, 22% in 1934-35, and 20% in 1935-36. Forty-three Colleges and Universities were represented in the student body this past year, and the students in the Law School came from 12 states and 2 from Germany. In May 1936, 51 students were recommended for the degree of LL.B., 2 with Honors, and have had that degree conferred upon them by the Trustees. During this year 15 law students were dropped from the Law School and 4 withdrew or were granted leaves of absence.

CHARLES K. BURDICK,
Dean of the Law School.

APPENDIX V

REPORT OF THE DEAN OF THE MEDICAL COLLEGE

To the President of the University:

SIR: I have the honor to submit the following report of the activities and condition of the Medical College during the academic year ending June 30, 1936.

During the past academic year the Medical College has lost by death several members of its staff.

On December 13, 1935 in his eighty-fourth year, Charles Loomis Dana, Professor Emeritus of Clinic Medicine, Department of Neurology, died. Dr. Dana was one of the great men of American medicine, a native of Vermont, of Colonial American stock. From his early youth and throughout his life he showed sustained energy and zeal in his devotion to the highest standards of the practice of medicine. For twenty-five years he was a member of the division of Neurology of the Cornell Medical College. To quote from the memorial minutes of the faculty: "He combined fine heredity with social tradition and high culture, a man of great intellectual power and unflagging ardor for the common weal. His life overflowed in penetrating and beneficent activity. Bellevue Hospital was his hospital, and in its wards he laid the foundation of the work in Neurological medicine, which brought him international renown."

George Hughes Kirby, Professor of Clinical Psychiatry, one of the old and distinguished members of the faculty, died on August 11, 1935. He was a gentle and considerate man of Southern stock. The history of the development of New York State Psychiatric Institutions is intimately connected with the life of Dr. Kirby. He had much to do with the planning, development, and organization of the New York State Psychiatric Institute and Hospital of the Presbyterian-Columbia Medical Center, which stands as a monument to his foresight and wisdom.

In the death of Dr. Mortimer W. Raynor, the Department of Psychiatry lost another distinguished member. A native of New York, he also became constructively engaged in developing the state hospital in that field. He was the first psychiatrist of the New York City Department of Correction. His unusual teaching ability was recognized by both the College of Physicians and Surgeons of Columbia University and the Cornell Medical College. From 1926 until his death he served as Medical Director of the Bloomingdale Hospital and Clinical Professor of Psychiatry at the Cornell Medical College.

On February 15, 1936, Dr. Lynn A. Hoag, Associate Professor of Pediatrics died. From 1923 he had served the Medical College until in 1933 illness forced his retirement. A man with an attractive personality, a fine mind, and ability as a teacher and investigator, he has been sorely missed by his colleagues.

In the Spring of 1936 the Department of Surgery lost one of its most promising younger staff members, Dr. Richard Meagher, a graduate of Cornell Medical College in 1927, who although he had been on the staff of the College but a short time had become an Assistant Professor of Surgery.

In December 1935 the College lost its Business Manager, Mr. Wallace Lund. Although Mr. Lund did not join the administrative staff until 1932, he fitted into the organization as though he had been a part of it for a much longer time. Not only did he conduct the office with satisfaction to the University, but his personal qualities of cheerfulness, consideration, and interest in the problems of faculty and students alike, won him a place of sincere regard.

NEW APPOINTMENTS AND PROMOTIONS

I am happy to report that the several vacancies which have somewhat handicapped the work of the college during the past two to three years have now been filled as follows:

The Professorship of Physiology has been accepted by Joseph C. Hinsey, Ph.D., who comes to us from Stanford University. He brings to the department the training and qualities of leadership which can not help but contribute to its success.

The Professorship in Psychiatry has been filled by Dr. Oskar Diethelm, who has been appointed to the coordinate post of Psychiatrist-in-chief of the New York Hospital. Dr. Diethelm, a native of Switzerland, has for several years been assistant to Dr. Adolph Meyer at the Johns Hopkins Medical School and the Phipps Institute.

The Professorship of Pediatrics has been filled by Dr. Samuel Z. Levine, who since Dr. Schloss's retirement has ably conducted that department as associate professor and Acting Head. Dr. Levine has been promoted to Professor of Pediatrics and Pediatrician-in-chief of the New York Hospital. He has been for several years in the department and his promotion has the sincere approval of his staff and clinical associates.

Dr. Dayton J. Edwards has been called upon to become Assistant Dean. He has been and will remain Associate Professor of Physiology devoting his time to both positions. Dr. Edwards has been a member of the faculty of the Medical College for many years. His contact with and friendship for a large number of the students of the past decade and a half, together with his long experience with the committee on admissions, particularly qualify him for the new duties he is assuming.

Dr. McKeen Cattell, who has been assistant Professor of Physiology, has been promoted to the Associate Professorship of Pharmacology in charge of that department. His earlier experience was in the field of Pharmacology and he brings to this department a point of view and breadth of experience which will contribute much to the progress of the department.

Dr. Clarence O. Cheney has been made Professor of Clinical Psychiatry and has assumed the directorship of the Bloomingdale Hospital for mental disease. Dr. Cheney resigned the directorship of the New York State Psychiatric Institute and the Professorship of Clinical Psychiatry at the College of Physicians and Surgeons, Columbia University, in order to assume his new duties.

Mr. Edward K. Taylor, assistant to Mr. Lund, has been made acting business manager. He has ably stepped into the breach made by Mr. Lund's death and the business office has continued to function smoothly and well.

CHANGES IN PHYSICAL PLANT

During the past year the following necessary alterations have been put into effect with due economy.

The animal quarters on the fifth floor of D Building were remodelled, permitting increased use by departments through greater economy of space, together with an improvement in the hygienic conditions for the care of animals.

Room C-721 has been modified in its arrangement and equipment and now provides additional animal quarters.

Rooms D-101 and D-103 have been remodelled to make small but adequate permanent quarters for the Student Health Service. The new arrangement is much appreciated by the students and staff of the health service, as the sharing of use of their former quarters with necessary out-patient department service at times made the work of the Health Service difficult.

THE CURRICULUM

During the year the Committee on Curriculum completed its study of the schedule of teaching and its recommendations were approved by the Executive Committee of the Faculty.

A detailed report of the changes would be too lengthy here, but in addition to the changes I set forth in my report last year, the following have been made.

The third year schedule has been changed from a quarter system to a trimester system and work in the specialties more evenly divided between the third

and fourth years. The third year load of short courses has been lightened by moving courses in Neuropathology and Neurology, Ophthalmology (pathological studies) and Pediatrics (infant feeding) into the last part of the second year.

The scheduled hours of the Medical course occupy respectively now, first year, 1134 hours; second year, 1109 hours; third year, 1178 hours; fourth year, 1077 hours. In addition, in the fourth year blocks of time totalling 128 hours are set aside for elective work. These blocks of time carry a unique significance differing from the occasional odd unscheduled hours which occur in the earlier years in that they have been devised to permit students to elect work which may be consistently followed for satisfactory periods.

The question may be asked as to why similar "elective time" has not been provided in the other years. In reply it may be said that experience has shown that in general the student's time is used to better advantage when scheduled as required.

It should be noted in this connection, however, that the educational policy of the faculty permits sufficient elasticity so that particular proficiency and aptitude on the part of an individual student for certain subjects or fields of study may receive suitable recognition, and time may be allotted for additional study. Furthermore it is possible for a limited number of students to take clerkships in medicine, surgery, obstetrics, and pediatrics during the second and third Summer vacations, thus freeing them from quarter years of scheduled time during their third and fourth years which is then free for elective work or work in other institutions. The possibilities for special study and investigation on the part of a considerable portion of the class is, therefore, in fact greater than is apparent from the casual perusal of the printed schedule.

The course in medical jurisprudence has been lengthened. An elective course in psychobiology is offered in the second year for those students who have taken the first year in medicine at Ithaca and have, therefore, not had the benefit in the first year course in psychobiology in New York.

EXTRA CURRICULAR ACTIVITIES

In addition to the scheduled work of the resident faculty, I take great pleasure in pointing out certain extra curricular cultural and intellectual activities of the Medical College, viz:

The Cornell Research Society has met regularly on the second Monday evening of each month throughout the year. At these meetings work from different departments has been most satisfactorily presented.

Continuing its traditional expressions of curiosity and free criticism of the communications of its members, The Discussion Society, comprised of the younger members of the faculty of the Medical College and allied institutions, has completed another academic year of informal monthly dinners much to the pleasure and satisfaction of its membership.

Among the Special Lecturers who have honored the college by their presence and communications the past year are the following:

Dr. Florence R. Sabin, Dr. Joseph C. Hinsey, Dr. Homer Smith, Professor Henry E. Sigerist, Dr. Donald Van Slyke, Dr. Elliott R. Cutter, Dr. W. G. MacCallum, Dr. Sydney Burwell.

These lectures were arranged by Dr. Bruce Webster, chairman of the Committee on Special Lectures.

Dr. Webster together with Drs. Marchetti and Baumgartner and other interested members of the staff and student body have this year formed a nucleus of those interested in medical history. Beginning in the early Spring a series of six seminars were held under the auspices of this group, culminating in a dinner at the New York Hospital at which we had the pleasure of guests from the College of Physicians and Surgeons and the New York University Medical College Historical Clubs. The spontaneous interest of the students and staff has proved a great pleasure to all who have taken part.

In addition the Cornell chapter of the Alpha Omega Alpha sponsored a delightful lecture by Dr. Lewis A. Conner, entitled: "An Historical Sketch of New York Hospital."

THE STUDENT BODY

During the academic year 1935 to 1936 there have been enrolled in the College in New York, the following number of students: First year, 54; second year, 68; third year, 76; fourth year, 64. The college aims to enroll about 70 students in its third and fourth years but the number varies somewhat with the casualties in a given class because of illness, financial and family difficulties, or failure to maintain the college standard of work. During the year we have lost for these reasons from the first year, 5; second year, 4; third year, 3. The fourth year graduated 64. 24 were enrolled in the first year in Ithaca, who if they all join the second year class in New York in the Fall of 1936, will make that class enrollment total 78.

There have been eleven students in attendance in the Graduate School (Group F). Ten of these have been working for the degree of Doctor of Philosophy and one for the degree of Master of Arts.

In addition there have been four special students in attendance, one in each of the following departments: Anatomy, Bacteriology, Biochemistry and Radiology, the student in Radiology being a lieutenant of the U. S. Navy detailed for study. The Medical College and the New York Hospital have for the past few years cooperated with the U. S. Navy and Army in admitting for study in Radiology and certain clinical subjects qualified officers for reasonable periods of special study.

Excerpts from the report of the chairman of the Committee on Admissions follows:

REPORT OF THE COMMITTEE ON ADMISSIONS

936 applications for admission to the first year class have been received to date. 803 students were rejected by the Committee on Admissions, 45 applicants withdrew their applications before action was taken.

88 students were accepted for admission.

31 withdrew after having been accepted.

57 have been accepted for admission in September and have paid the deposit.

The Committee on Admissions interviewed over 200 applicants this year.

The students admitted to the first year class are from 25 colleges as follows:

Amherst 2; Barnard 2; Bucknell 2; College of the City of New York 1; Colgate University 2; Columbia 4; Cornell 12; Dartmouth 1; University of Florida 1; Fordham 4; Hamilton 1; Harvard 1; Holy Cross 1; Newcombe (Tulane) 1; New York University 2; University of Notre Dame 2; Vassar 2; Washington & Lee University 1; Williams 3; Yale 1; Oberlin 1; Ohio State University 1; Princeton 6; Rutgers 1; Trinity 2; (57).

ADVANCED STANDING REPORT

19 applicants for advanced standing were received this year. 1 student has been accepted for admission to the second year class. 6 students have been accepted for admission to the third year class.

Applicants from the following medical schools have been accepted:

University of Alabama Medical School 1; Dartmouth Medical School 3; University of Mississippi Medical School 1; University of North Carolina Medical School 1; Vanderbilt University School of Medicine 1.

ITHACA DIVISION

27 students were accepted for admission, 6 withdrew after having been accepted. 21 have been accepted and paid their deposit to date.

STUDENT HEALTH SERVICE

The Medical College conducts a small, simply organized health service for students. Doctor Dorothea Lemcke has been in charge of this service for the past year.

It is with great regret that the Dean, because of his administrative duties, is no longer able to devote a portion of his time regularly to this service. As Associate Dean he found the work not only agreeable and medically interesting but the contact with students of great advantage to one interested in their affairs and progress.

A study of Student Health Service in a number of other medical colleges a few years ago disclosed the fact that our budget and staff were very small in comparison with those of other leading schools.

In view of the fact that funds were not available for more complete organization of a Student Health Service an attempt was made to provide a simple service within our means which would meet the essential needs of the student. This has only been accomplished in part. At present each new student is given a routine physical examination and a history is taken. The chest of every student is examined by x-ray every year and each member of the graduating class is given a routine physical examination before graduation. In addition a student office hour is held five days a week. Here students are handled as private patients. Complete records are kept and although each student has a regular New York Hospital Record Room case number, all records are held confidential, kept in files in the Student Health office, but available to New York Hospital Staff in case of hospitalization. The doctors of the service (three) give their time generously and receive a small honorarium. (Some Student Health Services employ a salaried personnel.) Members of the staff of the college and of the New York Hospital to whom students are referred, seldom if ever charge for their services. On the other hand the Hospital has felt that it must charge for laboratory, out-patient-department consultation and specialty services, therapeutic and x-ray services, and for hospitalization. Although these charges are regarded as a minimum, with some students they are a serious financial burden. Those who have to work the hardest to help pay the costs of their education are often those who suffer the more serious illnesses and upon whom consequently the more serious burden falls. These factors constitute a very definite need for an increased annual grant to the Health Service.

Experience has shown, I believe, that with a limited group of students such as we have at the Medical College, a ten dollar health fee cannot cover these charges, for the implied contract of such a fee leads to a less considerate demand for health service on the part of the students, thus increasing the work and expenses of the Health organization.

RELATION OF THE COLLEGE WITH OTHER INSTITUTIONS

The college continues certain clinical teaching services at institutions other than New York Hospital, viz.; Bellevue Hospital (Surgery, Medicine, Neurology), Willard Parker Hospital (contagious diseases), Memorial Hospital (cancer), the Berwind Maternity Clinic (obstetrics); the State Psychiatric Hospital, Ward's Island (psychiatry); also, the New York State Hospital for Incipient Pulmonary Tuberculosis at Raybrook, N. Y.

Many years ago when the arrangement for teaching services was first made with Bellevue, certain promises were made toward the adequate organization and support of the Bellevue Services including the application of limited funds to cover costs. Since entering into the joint organization with New York Hospital some of this support has been withdrawn. Furthermore, it is difficult to apply additional funds from the budgets of Surgery and Medicine for this purpose because these are joint budgets supported in equal part by the New York Hospital and the College, and hence not entirely under the control of the college.

In my opinion, it is definitely to the advantage of the Medical College not only to continue to hold its Bellevue Services in Surgery, Medicine, and Neurology, but to conduct them adequately, since they supplement those of the New York Hospital with a different but essential type of case and experience for staff and students. There is an urgent need for an annual appropriation to each of these services to permit their adequate use.

The elective course in cancer, conducted by the staff of the Memorial Hospital, is elected by nearly every student who graduates from Cornell Medical College. This hospital has given liberally of the time of its staff and of its material in the conduct of this course. It was most ably described by Dr. J. McLean in *J. A. Am. Coll.* 1935, Vol. 10, pages 285-291. I feel that the Memorial Hospital should be remunerated by the Medical College for certain material costs in the conduct of this course.

The College has been represented on the Committee on Internships of the New York Academy of Medicine by Dr. Harold J. Stewart, Associate Professor of Medicine. Our former Director, Dr. G. Canby Robinson was very instrumental in the formation of this committee and until recently devoted much of his time to it. I attach Dr. Stewart's report of the activities of this Committee for your information.

The College through its President, Dean, and Dr. John C. Torrey, Director of Health Research, Inc., New York City, and a member of the Advisory Committee, Bureau of Laboratories, New York City Health Department, with other members of the faculty has been represented and taken an active part in the following projects:

The organization of hospital services for the teaching of chronic disease under Commissioner Goldwater; the organization of District Health Centers under Dr. Rice, Commissioner of Health; the discussion of the Deans of the Medical Colleges of New York with the New York Academy of Medicine and representatives of his Honor, Mayor LaGuardia, looking toward the establishment of an Institute of Forensic Medicine in connection with the Medical Examiner's office of New York.

By the use of a grant of P. W. A. funds, there has been organized by the Department of Health and the New York Tuberculosis and Health Association, in cooperation with the New York Hospital and the Cornell Medical College, a study of the problem of Silicosis in which several of the clinical and preclinical departments of the college are taking an active part.

THE DEPARTMENTS

If space permitted, I should like to call attention in detail to the conduct and results of scientific investigation of our several departments. This is impossible and I have attached to this report the statements of the heads of the departments. I wish to call your attention to the fact that in addition to these reports there are the following publications, copies of which are submitted:

The 164th Annual Report of the New York Hospital.

The Report of the Physician-in-Chief of the New York Hospital for the year 1935.

Dr. DuBois's exposition of the educational problems which arise in connection with the functions of a teaching hospital is most ably set forth and has drawn editorial and other comment in the press, viz.: *Journal of the American Medical Association* (editorial) February 1, 1936, Volume 106, No. 5, pages 384-385, and in "Science" issue of November 22, 1935, Vol. 82, No. 2134, pages 472-477.

The Report of the Surgical Department, New York Hospital-Cornell Medical College for the year 1935.

The Annual Report of the Society of the Lying-in-Hospital for the year 1935. The medical report of Dr. Stander sets forth a standard service, I believe, unequalled by any other similar department.

Studies from the Department of Anatomy Cornell University Medical College, Volume XVI, for the year 1934-1935.

The Annual Report of the Medical Director of Bloomingdale Hospital, White Plains, New York, for the year 1935.

I must confess that I attempted a summary presentation of the statements of the Heads of Departments and their reports, but soon discovered that adequate justice could not be done to the many significant facts therein contained without expanding this memorandum far beyond permissible limits. One cannot peruse them, however, without being greatly impressed with the diversity and importance of the work and its results.

FINANCES

The present academic year showed a slight improvement in the income of the Medical College as follows:

- (1) A slight increase in income from endowed funds.
- (2) An increase from tuition; fewer students needed financial help.
- (3) A slight increase in the funds available to the college departments as special grants.

During the year I petitioned the Trustees to grant an increase in tuition fees to be put into effect when and if necessary. The Trustees approved an increase in tuition of \$100 per annum. This levy has not been resorted to, but must be seriously considered for the year 1937 to 1938 to offset the present urgent needs in some quarters. Such an increase could be counted upon to bring an annual additional income of about twenty-five thousand dollars. This sum would no more than cover the several individually small but urgent needs now existing. For in spite of the possibilities of this levy and the slight increase in income which the college has enjoyed the past year, the forecast for the next few years is not encouraging. This is due to the fact that the financial condition of the New York Hospital has forced it to propose the withdrawal of a considerable portion of its support of the work of the clinical Departments of the College. Under such circumstances, the University must look elsewhere to replace this hitherto agreed on support if clinical teaching is to be maintained in policy and practice as at present.

In view of the fact that all departments of the Medical College have during the past few years suffered serious budgetary cuts, further curtailment will be disastrous.

I earnestly hope that the Trustees of the University will give immediate and serious consideration to the imperative need of the Medical College for a substantial increase of income available for general maintenance.

WILLIAM S. LADD,
Dean of the Medical College.

APPENDIX VI

REPORT OF THE SECRETARY OF THE ITHACA
DIVISION OF THE MEDICAL COLLEGE

To the President of the University:

SIR: I have the honor to submit this report of the Ithaca Division of the Medical College for the academic year 1935-36.

Again I can report that there have been no important changes in the major members of the Faculty this year although two of the instructors, who have been with the college for a long time are leaving; Dr. David B. Hand to become Assistant Professor in the Department of Dairy Industry of Cornell University and Dr. Andrew J. Ramsay to become an Instructor in the Department of Anatomy of Jefferson Medical College, Philadelphia.

The number of students registered this year in the Medical College at Ithaca was 24. Thirteen of these were seniors in the College of Arts and Sciences of Cornell University and 4 were graduates of Cornell. The other 7 members of the class were from 7 different colleges. This represents the same large proportion of Cornell trained students as last year. There were 2 women in the class. It is worthy of note that the majority of those admitted this year at Ithaca entered under Clause II of the entrance requirements, that is, upon the completion of their junior year in college. These students compare very favorably in their accomplishment in the Medical College with those who have completed four years of college work. This is probably due to the fact that students admitted under this clause must have above average native ability in order to compete successfully for admission with students who have studied an extra year. While the number of applicants for admission was larger than ever this year and the difficulties of selection thereby increased, it did not appear that the number of students who could meet the qualifications of the Committee on Admissions was materially greater than in former years. Again I wish to call attention to the need for scholarships or loan funds for those students of high attainments who must be refused each year or having entered must withdraw because of lack of funds. It is this class of superior students that we are especially anxious to provide for. Moreover two or three outstanding students do much to raise the standard of a whole class.

Last year I pointed out the large number of graduate students, candidates for A.M. and Ph.D. degrees, who had selected Professors in the Medical College to direct their major or minor work. The situation is substantially the same this year. The professors in the Medical College at Ithaca have continued willingly to render this service to the Graduate School, nevertheless the adequate direction of the work of so many graduate students in addition to the normal load of undergraduate teaching, is a serious problem. Although the faculty would deprecate the curtailment of graduate instruction, the necessity for this must be faced unless additional staff and appropriations are available. Every teacher in the Medical College at Ithaca is either himself engaged in research or is directing the research of others. We have been most fortunate in having both as professors and instructors, men who were not only interested in research but who were also interested in instructing others and were good teachers. In a professional school this is most important.

It would exceed the limits of this report to describe the various research projects that are under way or to list the papers published during the year. A partial list of the publications will be found in the Librarian's Report. Since 1909 the scientific papers published by the faculty and students working in Stimson Hall have been collected and bound. There are now ten large volumes. These serve as a permanent record of the ability and diligence of the group.

In the Department of Anatomy there have been no changes in the staff of instruction and the teaching has proceeded normally. The research work is mainly

along the lines of neuroanatomy and visceral anatomy. The Wilder collection of the brains of eminent persons is steadily increasing. Each of these should be carefully studied, anthropologically, morphologically, and microscopically. Such a study is expensive, requiring a trained staff, equipment, and supplies. It is at present beyond the resources of the department to undertake except on a restricted scale. Both of the professors in this department are Doctors of Medicine and have retained their interest in the practice of medicine and public health as well as in their own special research field. That such a point of view should obtain, is especially important with instructors, whose contacts with first year medical students is so intimate as in the dissecting room. Including medical, graduate and undergraduate courses, there were 267 course registrations in human anatomy this year. The major needs are increased staff, larger appropriations and technical aid to the research workers.

For the Department of Histology and Embryology, Professor Kingsbury reports that the instruction has proceeded normally in all courses. He has personally conducted the course for medical students for which his training in medicine and pathology render him especially competent. Moreover as one of the leading men in his line, with broad training in animal biology and an extensive command of biological literature, it is most fortunate that a large number of students of biology in the College of Arts and Sciences should come under his influence. The growing reputation of Assistant Professor Adelman in embryology, especially in its historical aspects, is shown by increasing invitations to contribute to the literature in this line. He too is an excellent teacher. The course registration in the Department this year does not depart markedly from the past two academic years. It was 342 exclusive of 24 medical students. The needs of the department remain very much as previously reported. Additional technical assistance and more adequate care and housing for experimental animals remain desiderata. There is need for an available laboratory for tissue culture together with the necessary equipment and technical assistance. Frequently these methods become important in the solving of major problems.

In the Department of Physiology Professor Liddell reports that certain adjustments have been made in the instruction for medical students to make the courses at Ithaca more closely conform to those in New York. Although only a part of the total field of physiology is taught to medical students, the courses offered by the department cover the whole subject matter of medical physiology. Moreover, the course in human physiology in the College of Arts and Sciences, given by Professor Dye serves not only as a liberal introduction to the study of the human body, but it is a course of practical importance to the students in the College of Home Economics. During the past year the research work in conditioned reflexes, which for sometime has been the special field of Professor Liddell, has received much encouragement and some impetus due to a grant of \$10,400 for augmenting the investigations upon the relations of reflex behavior to the neuroses. This grant, from the Division of Medical Sciences of the Rockefeller Foundation, was for the specific purpose of medical research with the definite implication that the findings are of practical significance to the clinical neurologist, mental hygienist and psychiatrist. A further grant to continue the work for the next two years was recently voted by the Foundation. The appointment of George F. Sutherland, M.D., as Research Associate was prompted by the fact that his training is not only in experimental physiology, but also in clinical medicine. In spite of a small staff and a limited budget, active research is in progress in a number of important fields; namely, the central nervous system, the endocrine glands and the new problem of neuro-humeral control.

In the Department of Biochemistry, Professor Sumner reports that, on the whole, the students have been very satisfactory and that they have been adequately instructed in theory and practice. In addition to the medical students, there were 111 course registrations in Biochemistry. This has taxed the facilities of the department to the utmost especially to provide for the graduates. In this connection he points out that there are many biochemists employed in various other departments of the University. These men are for the most part engaged

in research, in technical fields in the Agricultural College and under other names, but fundamentally they are biochemists. I have already noted the calling of Instructor Hand to such a position in the Department of Dairy Industry. It is quite evident that there is a need for instruction to meet the demand, both for courses for undergraduates and training for graduates. The courses as at present given are planned to meet the needs of the medical college and of students in Home Economics and Animal Biology. The needs of the students in the plant sciences are not so well served by these courses and it is proposed to offer a course of lectures in plant biochemistry during the coming year.

Professor Emeritus Simon H. Gage, the responsible librarian of the Van Cleef Memorial Library, reports that this library is in constant use for the researches and teaching going on in Stimson Hall, and is also much used by other departments of the University. While the library collection is not open for general use, being given for special work in Stimson Hall, no one has been turned away who needed the use of its books and periodicals. There is no attendant constantly on duty, but the secretary in the Medical College Office, acting as Assistant Librarian, admits to the stacks or issues books to students from the office. Her efficient and courteous service is commended by Professor Gage. This library has been of exceptional service to both students and investigators in Stimson Hall, especially during recent years when there has been such a shrinkage of the general library income. There are 5,075 volumes in the library and there were 1,335 recorded withdrawals this year besides much use was made of books in the room by the staff provided with keys. At the present time every bit of shelf space is occupied and it is imperative that something should be done to increase storage room. Several plans have been proposed, but no one of them has as yet been executed for lack of funds.

During the past year, as previously, each department has been indebted to either the Sarah Manning Sage Research Fund or the Solon P. Sackett Memorial Fund for support of essential research. Without this aid important investigations would have been seriously handicapped or abandoned entirely. The augmentation of such research funds would be of great value to the research workers in Stimson Hall.

The Ithaca Division of the Medical College renders to the University many services besides the teaching of medical students. Not only do the members of its faculty give instruction to the undergraduates in the Colleges of Arts and Sciences, Agriculture, Home Economics, Architecture, Veterinary medicine, but they direct the work of many students in the graduate school. Moreover the college brings to the Campus a certain medical atmosphere which is difficult to define, but which is nevertheless present. It has an especially strong significance for the pre-medical students, who form a not inconsiderable proportion of the College of Arts and Sciences. A few years ago an analysis of the class cards of the students showed that approximately one-fifth were preparing for the study of medicine. It is important that these students should have a liberal education while meeting the special entrance requirements of various medical schools. It is necessary also that they should select a major. The formulation of such a major for the students preparing for medicine which embodies an integration of the biological and physical sciences has been prepared by the Pre-Medical Committee of the College of Arts and Sciences. This major is so flexible as to meet the needs of all classes and types of students, nevertheless the biological courses in the major must be furnished by the departments housed in Stimson Hall as well as the Department of Zoology of the College of Arts and Sciences.

The teaching load of the professors and assistant professors in the Medical College is far too heavy and this applies to the supervision of graduate work as well as to course instruction in classroom and laboratory of undergraduates in the medical and other colleges. The instructors and assistants are also devoting more time to undergraduate teaching than is compatible with the best educational policy.

The other needs remain very much as in recent years; (1) increased salaries for the major professors to bring their compensation more nearly in line with

that received by men of equal eminence here and elsewhere; (2) increase in the number of, and compensation for the junior members of the staff commensurate with the work required; (3) increase in the staff of technical assistants to relieve and assist the more essential teachers and investigators; (4) increased appropriations for running expenses and for research.

In spite of the above noted handicaps, I wish to take this opportunity to record my appreciation of the loyalty and devotion of the staff; with such spirit great handicaps are overcome.

ABRAM T. KERR, Secretary,
Ithaca Division, Cornell University Medical College.

APPENDIX VII

REPORT OF THE DEAN OF THE NEW YORK STATE VETERINARY COLLEGE

To the President of the University:

SIR: I have the honor to present a report of the New York State Veterinary College for the fiscal year 1935-36.

FACULTY

Two instructors, Dr. B. J. Errington and Dr. Jesse Sampson, have resigned, effective at the end of the year, to enter private practice. We can ill afford to lose these men, experienced as they are in surgery and physiology, respectively, since both of the departments concerned are already under-manned. The men cannot be blamed for the steps they have taken, since they undoubtedly will find much greater opportunities in private practice than they had in the positions that they held. If the standards of veterinary medicine are to be raised, however, means will have to be found by which teaching positions in this and other veterinary colleges can be made more attractive to promising young men, so that they may be induced to go into that work in the first place, and can be retained in the face of competition with the more lucrative field of private practice. Improvement in veterinary practice is sadly needed and such improvement depends almost wholly, as I see it, upon improvement in the quality of the work done by the teaching institutions. This means, of course, that the very best men are needed to staff these institutions. Good men frequently are willing to make considerable sacrifices in order to pursue work for which they are particularly well qualified, but when commercial work, or private practice, offers financial inducements twice or three times as great as can be offered by the teaching institutions, we must expect to lose many good men.

STUDENTS

One hundred thirty-one students were registered during the current year in the regular course leading to the D.V.M. degree. This is a decrease of thirty students from last year, and of forty-four from year before last. Next year the registration will rise to about one hundred forty-five at which point it should become fairly stabilized because of our policy of limiting admissions. A much larger student body would have been had, if our policy of restricting admissions had not been operative. There were more applicants for admission to the freshman class last fall than the number of students enrolled in the entire college, and it is already evident that there will be in excess of two hundred applicants for admission next year. These numbers could not possibly be handled with the staff and equipment that we have; furthermore, there does not appear to be a need for nearly as many veterinarians as we soon would be producing if all these applicants were to be accepted and eventually graduated.

The effect of the system of selective admissions upon the general scholarship of our students already is evident. Fewer students are being dropped for poor scholarship in spite of the fact there has been a very decided tightening of our scholastic requirements.

ADMISSION REQUIREMENTS

Inasmuch as we have been faced for several years with a much larger group of applicants for admission than we have been able to accommodate, the time would seem to be ripe for advancing our entrance requirements to a still higher level. The requirement of two years of general college work, instead of one, has been under consideration for several years, but it has been our conviction that it would be best to go a little slowly in this matter. It would have been possible during the last several years to have filled our admissions quota with men who had two, three, or even four years of college work had we desired to do so. It is our conviction, however, that farm-reared boys make the best veterinarians because of the intimate knowledge they usually have of animal nature, and conversely, that city-bred boys have a distinct handicap, difficult to overcome, in lacking this knowledge. And, as a rule, it is easier for the city boy to find means of pursuing several years of preparatory college work than for the farm boy, and consequently we would be setting up a more formidable barrier to the kind of student that we want than for the one that we do not want, if we were to insist on a longer period of pre-professional training. If it becomes feasible to add another year to the training period in the near future, I am not at all sure but that the extra year could be added most profitably to the end of the present professional course rather than at the beginning. A year of intensive clinical training after most of the course work has been completed—a year of internship—would undoubtedly be of great benefit. Many of our graduates now appreciate the fact that they need clinical experience before they enter practice for themselves and are seeking it in the form of assistantships with established practitioners for a year or so, but, unfortunately, the quality of the training they obtain often leaves much to be desired.

THE ANNUAL CONFERENCE FOR VETERINARIANS

The annual conference in January attracted more than three hundred licensed veterinarians, and appeared to be successful in every way. More and more this affair is coming to be an annual home-coming of graduates of this college, since the percentage of Cornell men in practice in New York State is gradually rising. Two days of serious work, of lectures and clinical demonstrations, is having an important influence, I am sure, in improving the veterinary service of the State.

BUILDINGS AND GROUNDS

The legislature of 1936 made available the sum of \$284,000 from moneys provided by a bond issue voted by the people in 1935, for the erection of a new building for the College. The building plans are under way and it is hoped to have it ready for use during the early part of 1938. The building will be known as the Moore Laboratory, in honor of Veranus A. Moore, who was the first Head of the Department of Pathology and Bacteriology, and later Dean of the Veterinary College. The new building will house the laboratories of pathology and of bacteriology, and will furnish modern animal quarters and autopsy rooms provided with refrigerating equipment. The space on the third floor of James Law Hall, which will be vacated by the Department of Pathology and Bacteriology, will be remodeled for the use of the Department of Physiology. If the legislature will provide adequate funds for equipping the new building and for renovating and equipping the quarters vacated in the old building, the Veterinary College will then have completed its building plans which were projected originally about twenty-five years ago, and will then unquestionably be the best equipped school of its kind in this country.

James Law Hall requires some major repairs, other than the remodelling already mentioned. The terra cotta work around the balustrade on the roof is disintegrating, and the brick work is in such bad repair that water finds its way down the inside of the walls and causes leaks in the ceilings. The *porte cochere* on the front of the building is in very bad repair and should be removed. Most of the pine floors, laid forty years ago, and the stairs, should be repaired or covered with linoleum.

The State Architect is studying the problem of harmonizing the appearance of the new building with James Law Hall, since they will stand side by side. It is probable that the recommendation will be for refacing the old building with native stone. This, of course, will require a special state appropriation.

During the past year, the basement of James Law Hall has been extensively remodelled and improved with the aid of funds provided by the Works Progress Administration. Attractive laboratories for the work in Experimental Physiology have been created, at practically no cost to the Institution. The work of the W. P. A. in this project is greatly appreciated.

No appropriation has ever been made by the State for the care of the grounds of the Veterinary College. Such care as they have had has been given by employees whose principal duties were in other lines. The work has never been satisfactorily done. An appropriation for this work should be obtained, and the work turned over to the Department of Buildings and Grounds of the University, which already has supervision over all other parts of the campus, including the grounds of the other two state colleges.

LABORATORY AND CLINICAL SERVICE

For many years the work of the clinics and service laboratories has shown a steady growth. It is certain that when the present year has been completed, the reports will show a greater volume than has ever before been done. Aside from being work which is valuable in itself, it is of great value to us in our teaching. The increase in clinic accessions will be comparatively small. That in the diagnostic laboratories will probably amount to at least twenty-five per cent. Nearly ninety per cent of the accessions in the Diagnostic Laboratory consist of blood tests for Bang's disease of cattle, of which about 90,000 were done.

RESEARCH

In this brief report it is possible only to mention the lines of work that constitute our research program. A more complete record, including reprints of many of the completed papers, will be found in the Annual Report to the Legislature, which will appear later, and which will be available to those who wish copies. The principal projects in our research program are concerned with the following: Bang's disease of cattle; bovine mastitis; Johne's disease of cattle; parasitic infestations of mammals and birds; neurolymphomatosis and tumors of birds; primary brain tumors of dogs; encephalitis of dogs; bacterial encephalitis of cattle and sheep; blood chemical studies on animals affected with azoturia (horses), with milk fever (cattle), with ketosis and acetonemia (cattle), and with pregnancy disease (sheep); studies on the energy metabolism of normal, depancreatized, and tumor-affected hens; studies on the mechanical factors in digestion, and intestinal motility of sheep and horses; studies on the identification and classification of acid-fast bacteria; a study on the inheritance of blood groups in rabbits; a study on the serological differentiation of lymphoid tumors in hens; and studies on numerous clinical problems. The facilities which will become available when the new laboratory building is completed will greatly aid the prosecution of the experimental work.

EXTENSION WORK

There is great need and a strong demand for extension work in veterinary medicine in this State. It is my opinion that education of the laity in animal disease matters would be more productive of lasting benefits to the State than almost any other activity that this College could undertake. Unfortunately, the

institution does not have the necessary personnel for doing a great deal of this work. In poultry diseases we are doing more than in other fields, for the reason that we have a man who could be assigned to this work as his principal duty. During the year Dr. Brunett visited farms in thirty-six counties and conducted poultry disease meetings in fifty-eight places. Dr. Birch arranged for thirty-three meetings on Bang's disease, Dr. Baker held twenty meetings on parasite control, and Drs. Udall and Johnson held a number of meetings and barn demonstrations on bovine mastitis. It is hoped that we soon may have a dairy cattle disease extension specialist, whose principal duty shall be to arrange for schools and demonstrations on the more common and serious diseases of cattle, and who will work both with livestock men and practicing veterinarians to improve the disease service that the livestock industry is getting.

NEEDS OF THE COLLEGE

The principal needs of the College have already been stated. It appears now that the building and equipment problems are nearing solution but, important as these are, greater problems await solution. The greatest of all of these problems is to convince budget authorities of this State that the maintenance of a considerably larger staff would pay dividends in the improved service that would be rendered. Several new major positions should be created, but greater than this need is that for a larger corps of assistants, technicians, clerical assistants, and ordinary laborers who would remove from the shoulders of the more highly skilled staff members the necessity of doing much of the drudgery of the clinics and laboratories, and thus give them the opportunity to use their knowledge and skill more freely.

The staff of the College has labored faithfully and loyally. To them I express my sincere appreciation. May I also express to you, Mr. President, my great appreciation for the helpful counsel which you, and the Provost, and the other officers of the University, have given so freely. I hope that the government of the State of New York has a full realization of the advantages that are coming to it from having its Veterinary College affiliated with, and administered by, a great University such as Cornell.

W. A. HAGAN,
Dean of the Veterinary College.

APPENDIX VIII

REPORT OF THE NEW YORK STATE COLLEGE
OF AGRICULTURE AND OF THE CORNELL
UNIVERSITY AGRICULTURAL
EXPERIMENT STATION

To the President of the University:

SIR: I have the honor to submit a report of the New York State College of Agriculture and of the Cornell University Agricultural Experiment Station for the fiscal year 1935-36.

RESEARCH

Owing to the great size and diversity of New York State's agriculture, there is a constant demand for research on agricultural problems. For many years, the Experiment Station has served the needs of the general farmers through investigation and experimentation in the fields of crop and animal production, protection from diseases and insect pests, marketing of farm products, costs of production, farm management, conservation of natural resources, and economic and social problems of rural life. During the fiscal year 1935-36, a total of 446 projects in the various departments comprising the Agricultural Experiment Station were in active progress. All of these projects, in the fields of both fundamental and applied research, involved problems of importance to farmers of the State. It is interesting to note that approximately 23 per cent, or 104, of the 446 active projects were completed during the year. At the same time, 95 new projects were started.

An analysis of the publications in relation to the research projects reveals the fact that a total of 281 articles based upon the results of research were published during the year. Many of these publications represent results obtained from research projects still active. It should be pointed out, however, that it is a general policy to publish preliminary results of any project when these will be of immediate help to agriculture, without waiting for the completion of the entire problem.

From the nature of agricultural problems, it is evident that research projects must differ greatly in scope, length of duration, and cost. Some experiments must be conducted over a long period of years. Included in this group are those dealing with crop rotations; maintenance of soil fertility; breeding improved varieties of field crops, vegetables, and fruits; pruning systems for orchards; management of wood lots or forested areas; management and improvement of pastures; and the development by breeding and selection of plants resistant to diseases and insect pests.

There is considerable variation in the cost of research, depending again upon the nature and scope of the problem under investigation. Those projects dealing with dairy cattle, sheep, swine, or poultry are costly owing to the necessity of maintaining considerable numbers of the animals or birds under conditions ideal for suitable experimentation and the drawing of accurate conclusions. Again, the cost of research is increased when special equipment such as spray machinery is needed for conducting research on problems involving disease and insect-pest control, or when methods of controlling temperature, humidity, and light are needed for studying the effect of environment on growth and optimum production of plants or animals.

Contrasted with these, certain of the problems under investigation are completed in a relatively short time and with but little expense. Occasionally, a fortunate circumstance may result in the solving of a problem during the first year of experimentation to such an extent and with such positive results that it is unnecessary to repeat the experimental work in succeeding years. In general, how-

ever, and excluding certain long-time projects, it requires approximately three to five years to bring the average project to a satisfactory completion.

Although the Experiment Station has kept fairly well abreast of the general farm problems which arise from year to year, it should be pointed out that the past few years have seen a rapid development in the more specialized types of agriculture involving intensive production of various kinds of vegetables, ornamentals, and other crops or livestock. The rapid changes in agricultural production and marketing have resulted in many new problems, and the farmers engaged in these specialized enterprises have naturally brought their problems to the Station for solution. With highly specialized training and equipment needed for their solution, these newer problems are markedly increasing the load upon the research facilities. The very serious decrease in appropriations under the heading "Maintenance undistributed" has slowed up much of this work. Full restoration of this item should be accomplished as soon as possible.

There is also a serious shortage of greenhouse laboratory space for research work. Many departments find it necessary to limit the greenhouse space for any given project to a relatively few square feet, with the result that most of the experimental data must be obtained in the field during the summer months. With adequate greenhouse facilities, many research projects of great importance could be completed in one-half the time it now takes.

EXTENSION

Emergency situations and unusual conditions confronting the Extension Service of the College of Agriculture have come, during the past several years, to be the rule rather than the exception. Drought, floods, and severe winter temperatures have successively created special problems. With all of these, the Extension Service has dealt promptly, vigorously, and effectively. Meanwhile, long-term regular programs have been carried forward with remarkably small losses.

The original AAA program touched the Northeastern States lightly, so much so that many New York farmers believed that the program was more harmful than helpful to them. The new Agricultural Conservation Program opens the way for dairymen and some other classes of farmers in the Northeastern States to claim subsidy payments. It appears that a large number of New York State farmers will avail themselves of the program.

As in the case of the original Agricultural Adjustment Act, the Extension Service has assumed responsibility for the Educational Program. Every effort has been made to insure that all farmers had an opportunity to get accurate information concerning the provisions of the Act, so that they themselves could decide what to do. Inevitably, however, county agents have been besieged by farmers desiring personal guidance in making out the necessary application forms and other details. The additional burden has been heavy. So far as we know, serious difficulties or criticisms of the Extension Service have been avoided.

Other problems that have stimulated new or greatly increased emphasis in the extension program are: rural electrification, land utilization, rural rehabilitation and resettlement, soil erosion and flood control, and the rural-older-boy-and-girl programs.

The new Bankhead-Jones funds have made possible the extension of county-agent facilities in a number of counties where local appropriations were insufficient. For the most part, this was accomplished by paying a part of the county agents' salaries from Bankhead-Jones money, releasing equal amounts of local funds to carry travel and office expenses of additional work and to supplement or replace needed equipment.

With regard to the regular extension-teaching programs, continuous changes and refinements have been taking place. Responsibility for a sound program in the last analysis rests on the county commodity committees of leading farmers, guided by information from the College to supplement their own knowledge. With condensed statements of economic background and analyses of national, state-, and local-situation material prepared by state commodity committees of subject-matter specialists from the College, conflicting or overlapping programs

are eliminated and for each major farm enterprise a coordinated program is developed with many and varied approaches to the ever-present problem of how to produce more efficiently and sell to better advantage.

There are now 32,170 farmers cooperating as farm-bureau members in agricultural extension work. Their membership contributions of approximately \$70,000 serve to supplement county, state, and federal funds appropriated for this purpose. Many other farmers call on the Extension Service for information and assistance on farm problems. Approximately 375 farmers are executive committeemen of county farm bureaus. They meet monthly in the counties to administer and direct local extension programs. There are 2450 farmers serving on county program committees, and 5200 farmers serving on community program committees.

APPROPRIATIONS

The state appropriations for the past year showed a slight increase over those for 1934-35. About three-fourths of this increase resulted from a restoration of salary cuts as made for all State Departments. Most of the remainder of the increase was for accessory instruction in Cornell University as a result of the increased student enrollment in agriculture.

The sum of \$5000 was provided for additional research work on the alfalfa snout beetle, and \$2500 was appropriated for a study of the possibilities of a regional market in southern New York.

Except for the new funds made available by the passage of the Bankhead-Jones Act, the federal appropriations were practically unchanged. The Bankhead-Jones moneys have made possible some expansion in the teaching, extension teaching, and research programs of the College and the Experiment Station.

With prices of equipment and supplies and other maintenance items rising very rapidly, and with decreases indicated in the maintenance funds for 1936-37, the College is finding it increasingly difficult to continue the present lines of work. A full restoration of these maintenance items should be made as soon as the finances of the State permit.

A NEW LIBRARY AND CLASSROOM BUILDING

A new library and classroom building is urgently needed for the College. During past years it has been necessary to remodel classrooms into offices and laboratories to accommodate new lines of work when appropriations were made for men and not for facilities. With this unavoidable decrease in classroom space and with annual increases in the size of the student body, the situation is becoming very acute. The housing facilities for the college library are entirely inadequate, both from the standpoint of study rooms and storage space for books. At least five times the space now available could be readily utilized. Housed in a non-fireproof building, the collection of books comprising one of the finest agricultural libraries in the world is in constant danger of fire. The many rare historical documents and volumes now out of print which are absolutely necessary for proper teaching and efficient research, would, in case of fire, constitute an irreparable loss to the State which could never be covered by new appropriations. A new library and classroom building should be provided at the earliest possible date.

STUDENT BODY

It is significant that the past year has been attended with another increase in student enrollment in the College of Agriculture. This increase has occurred in spite of farm incomes which are still below normal, and in spite of an increasingly efficient guidance office which sorts out many young persons who seem to have no background of farm experience and no adequate reason for studying agriculture, and directs them to other lines of work or persuades them to enroll in some other institution. A part of this increase is probably due to a redirection of the attention of young persons to the farm through the activities of 4-H Club work, vocational agricultural schools, and central rural high schools. Another part of the increase is probably due to the success of agricultural-college graduates in farm communities as well as in commercial and industrial groups. As

pointed out in the report for last year, the continual increase in number of students results in a corresponding increase in the teaching load of the instructing staff. The situation is becoming especially serious in the teaching laboratories. Without some relief in the form of additional laboratory assistants, the College will soon be compelled to limit enrollment. This would be very unfortunate from the standpoint of state policy.

The enrollment in the College of Agriculture for the past year was as follows:

Four-years students:	1935-36
Freshmen.	363
Sophomores.	266
Juniors.	228
Seniors.	194
Total.	1051
Special students.	37
Two-years students:	
Dairy farming.	80
Other livestock farming.	10
Poultry farming.	17
Fruit growing.	20
Vegetable growing.	8
Marketing of fruits and vegetables.	3
Manufacturing and marketing of dairy products.	18
Commercial floriculture.	13
Total.	169
Winter-course students:	
Agriculture (general).	43
Dairy industry.	29
Poultry husbandry.	21
Fruit growing.	13
Flower growing.	16
Vegetable crops.	6
Total.	128
Graduate students.	373
Summer-school students.	780
Total.	2538
Less number counted twice.	60
Net total.	2478

CARL E. LADD,
Dean of the New York State College of Agriculture
and Director of Experiment Stations.

APPENDIX IX

REPORT OF THE NEW YORK STATE AGRICULTURAL EXPERIMENT STATION

To the President of the University:

SIR: I have the honor to submit the Annual Report of the New York State Agricultural Experiment Station at Geneva for the year 1935-36.

This summary is taken from the detailed report of the Station prepared by Director U. P. Hedrick with the aid of the Station staff and published by the State.

Director Hedrick's report indicates that the year at the Station is one of satisfactory accomplishment. The Station has published during the year 22 bulletins, 4 circulars, and 57 journal articles setting forth the results of experimentation in the several fields of agriculture.

STAFF CHANGES

During the past year one head of a division, Professor F. C. Stewart, at the head of the Division of Plant Pathology, has retired because of age limit. There were four resignations, five new appointments, and one change in title. The scientific staff at the Station now numbers 77. Resignations and appointments are as follows:

Resignations:

J. T. Cox, Assistant in Research (Entomology), effective March 15, 1936.

R. R. Jenkins, Assistant in Research (Chemistry), effective May 15, 1936.

F. C. Stewart, Chief in Research and head of Division of Botany, effective June 30, 1936.

James S. Lawson, Museum Preparator, effective November 15, 1935.

Appointments:

C. D. Kelly, Associate in Research (Bacteriology), effective December 1, 1935.

J. T. Walker, Assistant in Research (Entomology), effective March 16, 1936.

A. W. Avens, Assistant in Research (Chemistry), effective May 16, 1936.

O. A. Reinking, Chief in Research and head of Division of Plant Pathology, effective July 1, 1936.

Miss Clara L. Barnes, Museum Preparator, effective May 23, 1936.

A NEW RESEARCH DIVISION

The Board of Trustees on April 24, 1936, created a new research division in the Station, to be called "Division of Seed Investigations". The major part of the work of this division will be in the testing of seeds, although important investigations will be conducted on the fundamental factors governing the germination of seeds, the role of seeds as carriers of disease organisms, and other problems relating to farm crop, vegetable, lawn grass, and flower seeds. The new division will be in charge of Professor M. T. Munn, who has been at the head of the seed testing laboratory as a part of the Division of Botany since 1912.

SPECIAL APPROPRIATIONS

During the past 15 years, nearly every Legislature has made special appropriations for work which the farmers of the State have wanted done at the Experiment Station. At the beginning of the year under consideration, there were 11 of these special funds. This year two new appropriations have been added, one giving \$10,000 for work with fungous diseases of fruits and the other an additional \$5,000 for hop investigations.

FELLOWSHIPS AND GRANTS-IN-AID

More and more the Station is being helped by fellowships and grants-in-aid, maintained by commercial companies and scientific institutions. There are now 11 of these, divided among divisions as follows: Bacteriology, 2; Seed Investigations, 1; Plant Pathology, 4; Chemistry, 2; Entomology 1; Pomology, 1.

COOPERATIVE EXPERIMENTS

The work at the Station is also well supplemented by cooperative experiments with the United States Department of Agriculture. The following divisions have cooperative experiments with the United States Department of Agriculture under way: Bacteriology, 3; Chemistry, 1; Entomology, 3; Pomology, 3; Vegetable Crops, 1.

COOPERATION BETWEEN THE TWO STATE STATIONS

It is indeed a pleasure to record that, as in the past, the two State Stations now under the administration of Cornell University have cooperated during the past year to the fullest extent possible. Besides numerous informal conferences, stated meetings are held of workers in each field in which duplications might occur to unify the program of research for the agriculture of the State.

CARL E. LADD,
Dean, and Director of Experiment Stations.

U. P. HEDRICK,
Director of the New York State Agricultural
Experiment Station.

APPENDIX X

REPORT OF THE DEAN OF THE NEW YORK
STATE COLLEGE OF HOME ECONOMICS

To the President of the University:

SIR: I have the honor to present to you the annual report of the New York State College of Home Economics.

In this brief summary it seems desirable to select from the longer report for emphasis the trends and developments which are taking place in the organization and administration of the College as a means for fulfilling its educational objectives.

Even in so small a college as the New York State College of Home Economics the difficulties of achieving an effective and at the same time educational administration are great. The field of home economics has broadened greatly but at the same time is becoming clearly defined. Its preoccupation is with the home and the family and the individual members of that family; with changing emphasis within the home and between the home and the community; with the extension of home activities into the community and the necessities and opportunities for vocational development which have thus arisen. Wherever home economics operates, the current of its effort will always be found to follow its major concern, namely, the welfare of people, human life, and conditions which contribute to its protection and care.

Until a comparatively recent period home economics education has tended to follow narrow lines of specialization developed around specific vocational or professional opportunities open to students pursuing one or another of its courses of study. Its own organization has been such that it has not functioned to bring together into integrated relationship all its specializations. It has only begun to focus its educational efforts primarily on establishing an understanding of home economics *as a whole*, having the home and its total functions as a social institution as its main theme, and thereafter giving its attention to the vocational or professional use of its specific tools.

One of the problems stressed at this time, therefore, is that of how to develop an organization which will tend to help strengthen all phases of work for which the College is responsible and at the same time to bring all forces together into integration of purpose and function in order to facilitate the accomplishment of the goals of home economics education.

This has seemed to call for a plan of organization and administration for which there is no precedent to guide procedure. However, a program of change in organization policy has been consciously undertaken and a beginning has been made, in which machinery is being developed for securing the cooperative effort of staff, administration, and student body into understanding and unified relationships. The details of this organization and administrative plan are described in full in the annual report of the College of Home Economics.

The full report contains also detailed reports from each department or phase of work for which the College is responsible.

STUDENT ENROLLMENT

This year, as in previous years, because of limited personnel and support of the College, it has been necessary to refuse admission to a large number of applicants who met the entrance requirements. The total number of applicants for entrance into the College in September 1935, including freshmen and advanced-standing students but not including hotel administration or special applicants, is 452. Of these, 110 registered in September. In addition 15 special students were admitted.

The following statement of enrollment divides students into the total number exclusive of hotel administration students, and into hotel administration, since, although partially housed in the College and in step with its educational policies, that department is not an integral part of the College and is not supported by it.

The student enrollment in home economics (exclusive of hotel administration) for 1935-36 was as follows:

Freshmen.	96
Sophomores.	95
Juniors.	115
Seniors.	120
	<hr/>
Special students.	426
	15
	<hr/>
	441
Graduate students.	25
Summer-school students.	128
	<hr/>
	594
Less number counted twice.	11
	<hr/>
	583

The enrollment of students in hotel administration was as follows:

Freshmen.	58
Sophomores.	65
Juniors.	46
Seniors.	32
	<hr/>
	201
Special students.	8
	<hr/>
	209
Graduate students.	1
Summer-school students.	76
	<hr/>
	286
Less number counted twice.	2
	<hr/>
	284

THE STAFF OF THE COLLEGE

Number employed

Exclusive of the Department of Hotel Administration and the members of the administrative staff paid jointly by the College of Home Economics and the College of Agriculture, the College of Home Economics employed, during the year 1935-36, a total of 130 persons, some of them for part-time service. Calculated as full-time employees, this number becomes 114 1/15. Divided according to major functions, this full-time number is distributed as follows: administration, 4; teaching 36 5/12; research, 3 9/10; extension, 27; clerical, 29 3/4; care of building, 13.

During the same period the Department of Hotel Administration employed, including instructors paid jointly by the College of Home Economics and the College of Agriculture, a total of 28 persons. Calculated as full-time employees, this number becomes 17. Divided according to major functions, this number is distributed as follows: teaching, 13; clerical, 3; care of building, 1.

Appointments during 1935-36

FOODS AND NUTRITION: Carroll Connely, B.S., 1935, Cornell University, part-time Assistant; Lola Dudgeon, B.S., 1932, Purdue University, part-time Assistant; Dorothy Dyott, M.S., 1935, Cornell University, part-time Research Assistant; Patricia Helen O'Hara, Ph.B., 1933, University of Chicago, part-time Research Assistant; Jeannette Gardiner Powell, B.S., 1926, Cornell University, part-time Assistant; Dorothy Scofield, B.S., 1932, Cornell University, part-time Research Assistant; Mildred Spicer, M.A., 1935, Columbia University, Extension Specialist, 4-H Club; G. Dorothy Williams, M.S., 1930, Columbia University, Extension Specialist; Theresa E. Wood, B.S., 1923, Western Reserve University, Extension Instructor, 4-H Club.

TEXTILES AND CLOTHING: Pauline Wells Fuller, B.S., 1923, Teachers College, Columbia University, Instructor; Lena B. Montague, 1935, New York University, Assistant in the Costume Shop; Ida Osborn, M.A., 1935, Columbia University, Extension Specialist, 4-H Club; Julia Strahan, B.S., 1920, Teachers College, Columbia University, Extension Instructor, 4-H Club.

HOUSEHOLD ART: Virginia True, B.A.E., 1930, John Herron Institute and Butler University, part-time Instructor.

ECONOMICS OF THE HOUSEHOLD AND HOUSEHOLD MANAGEMENT: Caroline Pringle, B.S., 1927, Cornell University, part-time Research Assistant; Mabel Rollins, M.S., 1935, Cornell University, Assistant; Jean Warren, M.S., 1935, Cornell University, part-time Research Assistant; Delpha Wiesendanger, M.S., 1935, Cornell University, Extension Specialist; Clara B. Williams, B.S., 1932, University of Illinois, part-time Research Assistant.

FAMILY LIFE: Lemo Dennis Rockwood, Ph.D., 1931, Cornell University, Extension Assistant Professor.

INSTITUTION MANAGEMENT: Eva E. Hill, B.E., 1923, Western Illinois State Teachers' College, Instructor and Assistant Manager of the Cafeteria.

STUDENT GUIDANCE: Edna M. Mitchell, B.S., 1931, Buffalo State Teachers' College, Instructor, Homemaking Apartment.

EXTENSION ADMINISTRATION: Evelyn Nance, M.S., 1924, Teachers College, Columbia University, Agent at Large; Helen Paine, B.S., 1927, Cornell University, Agent at Large; Carrie C. Williams, B.S., 1919, University of Washington, Assistant State Leader; Orrilla Wright, B.S., 1926, University of Rochester, Agent at Large.

Promotions during 1935-36

FAMILY LIFE: Marie Belle Fowler, from head of the Nursery School to head of the Department of Family Life.

EXTENSION ADMINISTRATION: Martha Eddy, from Assistant Professor to Professor and from Assistant State Leader to Administrative Specialist.

Resignations during 1935-36

FOODS AND NUTRITION: Carroll Connelly, B.S., 1935, Cornell University, part-time Assistant, June 30, 1936; Patricia Helen O'Hara, Ph.B., 1933, University of Chicago, part-time Research Assistant, June 30, 1936; Lois Purdey, B.S., 1934, Cornell University, part-time Assistant, June 30, 1936; Mildred Spicer, M.A., 1935, Columbia University, Extension Specialist, 4-H Club, June 30, 1936.

TEXTILES AND CLOTHING: Carolyn McIlroy, Pratt Institute, Director of Costume Shop, February 15, 1936 (retired); Lena B. Montague, 1935, New York University, Assistant in the Costume Shop, June 30, 1936; Margaret Morehouse, B.S., 1913, Oregon State College, Extension Instructor, June 30, 1936.

HOUSEHOLD ART: Lucy Taylor, Massachusetts Normal Art School, Acting Assistant Professor, June 30, 1936.

ECONOMICS OF THE HOUSEHOLD AND HOUSEHOLD MANAGEMENT: Nancy B. Morey, Ph.D., 1931, Cornell University, part-time Research Assistant, August 31, 1935; Caroline Pringle, B.S., 1927, Cornell University, part-time Research Assistant, June 30, 1936; Clara B. Williams, B.S., 1932, University of Illinois, part-time Research Assistant, June 30, 1936.

FAMILY LIFE: Tamara Dembo, Ph.D., 1930, University of Berlin, Assistant, September 1, 1935; Jerome Frank, Ph.D., 1934, Harvard University, Research Assistant, September 1, 1935; Kurt Lewin, Ph.D., 1914, University of Berlin, Acting Professor of Education, September 1, 1935.

INSTITUTION MANAGEMENT: Gertrude Betten, B.S., 1926, University of Rochester, Instructor and Assistant Manager of the Cafeteria, June 30, 1936.

EXTENSION ADMINISTRATION: Eileen S. Androus, 1918, Mechanics Institute, Acting Assistant State Leader, July 31, 1935.

Appointments—To become effective on July 1, 1936, or later

FOODS AND NUTRITION: Wilma Blanche Beckman, M.S., 1922, University of Chicago, Research Assistant; Ruth Ellen Closson, B.S., 1936, Simmons College, Assistant; Anne Matthews, M.S., 1936, Columbia University, Extension Specialist, 4-H Club; Elizabeth Pittman, B.S., 1926, Kansas State College, Research Assistant; Eleanor B. Schempf, B.S., 1934, University of Wisconsin, Assistant, second term; Catherine Stainken, B.S., 1936, Cornell University, Assistant.

TEXTILES AND CLOTHING: Joan Di Stephano, B.S., 1936, Teachers College, Columbia University, Instructor.

HOUSEHOLD ART: Rhea Brown, B.S., 1935, Cornell University, Instructor, first term.

ECONOMICS OF THE HOUSEHOLD AND HOUSEHOLD MANAGEMENT: Jessie Freeman, B.S., 1936, Cornell University, Research Assistant; Ruth Henderson, B.S., 1936, University of Nebraska, Research Assistant; Jo Elizabeth Miller, B.S., 1936, Kansas State College, Research Assistant; E. Elaine Knowles, B.S., 1931, University of Maryland, Research Assistant; Mildred Spicer, M.A., 1935, Columbia University, Research Assistant.

FAMILY LIFE: Faith Davis, B.S., 1927, Cornell University, Instructor in Nursery School; Mark Entorf, A.B., 1924, Grinnell College, Extension Assistant Professor.

INSTITUTION MANAGEMENT: Erma Lewis, B.S., 1930, Cornell University, Research Assistant; Marion Wood, B.S., 1930, Cornell University, Research Assistant.

EXTENSION ADMINISTRATION: Grace Henderson, M.S., 1931, University of Chicago, reappointed Extension Instructor.

Promotions—To become effective on July 1, 1936, or later

FOODS AND NUTRITION: Linnea Dennett, from Agent at Large to Extension Instructor; Hazel Hauck, from Assistant Professor to Professor.

TEXTILES AND CLOTHING: Frances Brookins, from Assistant Director of Costume Shop to Director of Costume Shop; Margaret Humphrey, from Instructor to Assistant Professor.

HOUSEHOLD ART: Charlotte Brenan, from Extension Instructor to Extension Assistant Professor.

ECONOMICS OF THE HOUSEHOLD AND HOUSEHOLD MANAGEMENT: Ella Cushman, from Extension Assistant Professor to Assistant Professor.

FAMILY LIFE: Lemo Dennis Rockwood, from Extension Assistant Professor to Extension Professor; Katherine Newton, from Stenographer to Assistant; Katherine Reeves, from Assistant Professor in charge of junior group of children in the Nursery School to Assistant Professor in charge of the Nursery School.

STUDENT GUIDANCE: Marion Fish, from Assistant Professor, Economics of the Household and Household Management, to Assistant Professor of Home Economics and Assistant Adviser on Educational Procedure.

EXTENSION ADMINISTRATION: Helen Paine, from Agent at Large to Assistant State Leader; Orrilla Wright, from Agent at Large to Assistant State Leader.

Leaves of absence, 1935-36

Beulah Blackmore, Second term (Sabbatic); Jessie A. Boys, First term (Sabbatic); Emma Nevin, November 1, 1935, to June 30, 1936; Marion C. Pfund, Second term (Sabbatic); Lillian Shaben, Second term (Sabbatic); Ethel Waring, First term (Sabbatic); Margaret Wylie, First term (Sabbatic).

CARL E. LADD,

Dean of the New York State College of Home Economics.

FLORA ROSE,

Director of the New York State College of Home Economics.

APPENDIX XI

REPORT OF THE DEAN OF THE COLLEGE OF ARCHITECTURE

To the President of the University:

SIR: I have the honor to submit the following report for the College of Architecture for the year 1935-36.

During the past seven years attendance in the College has been slowly but steadily declining. At first only the upper classes were affected, then gradually the number of applications for admission began to drop off. This year for the first time since selective admission was established (in 1925), the entering class fell below the normal number; forty-five. The year was started with 124 old students and 22 new students, a total of 146 as contrasted with about 170 which is the number at which we had stabilized during the years when pressure on our facilities was greatest.

Applications for admission in 1936 seem at the present writing to be somewhat ahead of last year. From this and other indications it seems as if the bottom has been reached and we may expect a gradual upward trend. It is unlikely however that we shall again reach our maximum number during the next three to five years. While this downward trend in attendance is disturbing, it is less marked at Cornell than in the country as a whole. Nevertheless we have taken the occasion to attempt to reassess our position and see if any helpful conclusions may be drawn.

For some time the cost of attending Cornell has been steadily rising. During the same period the quality of instruction offered by the free tuition state universities has been improving. Again, during the depression period, enrollment

at the free tuition schools has been fairly well maintained and in some instances actually increased, while at the endowed institutions generally losses have been as great or much greater than at Cornell.

These considerations suggested a statistical study of the geographical distribution of our students during the past thirty years but the facts thus gathered cannot be made the basis of definite conclusions. They do however show a wider distribution maintained over a longer period than was anticipated. From thirty to thirty-five states and foreign countries have been represented in the College throughout the period covered by the study and from fourteen to fifteen are represented in each entering class.

While the facts thus revealed are, in a measure, reassuring the underlying condition remains, viz., that it costs perhaps \$2500 more to study at Cornell for five years than it does at any one of a number of other really good schools and numerous specific cases are known where this difference in cost has been the deciding factor in the choice of a school to attend.

The most obvious way to meet the situation outlined above is by way of stipends. The Board of Trustees has this year voted six partial tuition scholarships for the use of students in the entering class. These will be used only for cases in which the need for financial assistance is such that otherwise the applicant would be unable to matriculate. Doubtless these scholarships will be definitely helpful but it is even now evident that they do not represent any final answer to our problem. If no way can be found to reduce costs, and nothing of the sort seems imminent, a large increase in one or another form of student aid should be earnestly sought.

The field of architectural education is being examined today, as never before. Many new proposals are being advanced and various experiments are in progress. They seem to be based on a determined modernism that leans lightly if at all on the classic examples and enlarges on details of modern practice. In this respect our policy has been a conservative one. Four years ago Professor Tilton started his courses with the thought in mind of uniting the work in Design and Construction in the spirit of modern methods. We believe this has been well and adequately done but at the same time we are not content. During the past few years the feeling has been growing that more emphasis on classicism, particularly in the case of beginners, would tend to keep modernism from running rampant. Professor Dunbar and Professor Phelps have made a proposal looking in that direction which will be put in effect next Fall by Professor Dunbar. Freshman Design and the beginning course in History will be closely related, much study of classic examples being required both in the lecture room and over the boards. It is fully recognized that this plan goes counter to the trend of ideas and practices that are at present being most generally publicized but we believe it to be sound.

Again I am glad to be able to report that our students have made favorable showings in the current competitions of the American Academy in Rome. Robert S. Kitchen, having won the Fellowship in Landscape Architecture, becomes the ninth Cornellian to hold this Fellowship, which has been awarded fourteen times. Also, during the Winter, a team composed of Benjamin J. Rabe, Architect; Robert S. Kitchen, Landscape Architect; Adelaide Briggs, Painter; and John C. Lawrence, Sculptor, won the first award in the Collaborative Competition sponsored by the Alumni of the American Academy in Rome.

The favorable records that our students have made in the Collaborative Competitions is an indication that we are approaching a better balance between the three departments but we are still definitely in the position of desiring a larger development in Landscape Architecture and The Fine Arts. The indications for next year's class are that both of these departments will gain in numbers.

Professor Finlayson has been absent on leave for the second term of the year. This fact and his recent advancement in rank make this perhaps a natural time to review the experiment which began with his appointment ten years ago. His classes in the History of Art were the first ones conducted by this faculty which were intended especially for students in other colleges. At all times these classes have been filled to capacity and his need for assistance is clear so that the field

thus opened may be more fully developed, particularly at the graduate level. The classes in Regional Planning, under Professor Clarke, also continue to fill to capacity, and other courses, such as Professor Bosworth's Appreciation of Architecture; Professor Phelps' Architectural History; and various offerings of the Department of Drawing and Painting continue to appeal to students in various colleges. During the year instruction was given in the College to over two hundred students registered in other colleges of the University.

During the next few years some difficult questions must be answered concerning the licensing of Architects for practice. The schools are vitally concerned with the way these questions are answered. This faculty has been giving a great deal of thought to the problem but is not ready to state any conclusions. Happily, Professor Bosworth is a member of the New York State Board, thus keeping us in vital touch with the problem as it develops.

The Board of Trustees at its final meeting of the year established a Council for the College of Architecture. It is hoped that in the Fall the Council will be organized and ready to take in hand some of the more pressing problems that are facing the College.

The statement on attendance given at the opening of this report would seem to indicate an easing of the pressure on our facilities that has been mentioned so often in these reports during the past fifteen or more years. It is true that the individual student is somewhat better off than before and the reconditioning of the central drafting room which will be done this Summer will improve working conditions for the senior class. This is the first step in one direction. When the other two rooms can be treated in the same fashion we will have gone as far as it is possible to visualize going within the present building shell of White Hall. But when that has been done, our main problems will remain unsolved.

The Library is in an almost impossibly crowded condition, as to accommodation of books, and its value as a place for study is seriously impaired by the presence of too many people and the attendant confusion. The presence of such a valuable collection in a non-fireproof building can be justified only by sheer necessity. Faculty offices are in general totally inadequate to proper and orderly procedures of study and research. Professor Tilton's work is being retarded far too much, owing to the lack of proper space for the accumulation, storage, and display of teaching materials. He is constantly using procedures that are frankly makeshift and wasteful for no other reason than the lack of space. Conditions in Franklin Hall are fully as bad as those in White.

The best informed opinion available today seems to indicate that in ten years, perhaps less, there will be a definite shortage of well trained Architects in the country. For the six or seven years just past attendance at the schools throughout the country has been declining. During the same period many well trained men have been forced out of the Building Industry and have permanently taken up other lines of work. Even now, with the slight and tentative increase in building operations that has developed in the past few months, a shortage of well trained men is becoming evident.

All of this sums up to just one conclusion. For fifteen or twenty years it has been fully recognized that White Hall cannot be looked upon as anything like a proper or permanent housing for the College. It is altogether likely that we stand at the beginning of a renewed and insistent demand. Steps should be taken at the earliest possible minute to rehouse the College in a manner that will permit the maintenance of proper standards of instruction.

It is not felt that any large growth in numbers should be anticipated or allowed. Doubtless a total enrollment of 225 to 250 students, properly allocated as to departments, would represent the desirable maximum. But the failure to develop new and better methods and practices in instruction cannot be viewed with anything but alarm. It would not be reasonable to assert that we have yet achieved the ultimate of the possibilities with our present equipment but it is nevertheless literally true that a new physical plant would bring into the realm of possibility many plans for the improvement of standards that have heretofore, necessarily, been put aside.

The need of a better physical equipment for the College has been mentioned over and over in my reports and in those of my two predecessors. The lapse of time and the present outlook serve only to make those recommendations more pointed and more insistent.

GEORGE YOUNG, JR.,
Dean of the College of Architecture.

APPENDIX XII

REPORT OF THE DEAN OF THE COLLEGE OF ENGINEERING

To the President of the University:

SIR: I have the honor to present the following report upon the work of the College of Engineering for the year 1935-36.

For the first time in several years there was an increase in the enrollment of freshmen, 219 enrolling as against 212 in the previous year. This in conjunction with a lessening demand for financial assistance among our students gives a more hopeful outlook so far as attendance is concerned, and the preliminary registration for next year is even more hopeful. Part of this increase may be due to the new McMullen Regional Scholarships. It will be remembered that 15 of these scholarships of a value of \$200 were authorized last year and I am pleased to report that this experiment has been very successful so far. All fifteen scholarships were filled and with one exception by men of excellent ability. The alumni groups have been most helpful in placing these scholarships and the plan of placement with a few minor changes appears to be excellent. This coming year, as you know, the number of scholarships will be increased to 30. Aside from the actual value of these scholarships in bringing good students to the College, there is a decided advertising value in calling the attention of high school principals to the advantages of the University.

As usual the McMullen Fund has been the academic salvation of many students who needed a little financial help. As the pressure for financial assistance decreases the value of these scholarships could well be increased so as to cover more nearly the tuition fee. The present amount, \$200, is also too small to be of importance as a regional scholarship to students from distant states.

The Westinghouse Fund is proving to be of ever increasing usefulness. In all \$19,050 were appropriated from it this year for research, publications and new apparatus. From this have been purchased a tension testing machine for the School of Civil Engineering, sundry apparatus for the Sibley School of Mechanical Engineering and a new and somewhat unique equipment for studies in the field of electronics for the School of Electrical Engineering. This equipment will make possible the illustration of certain new courses of instruction in this field and will be of great service in certain proposed researches. These researches are connected with the problem of rectification of alternating current into direct current, a problem upon which much work is needed.

The Westinghouse Fund has also been a great stimulus to research as indicated by the following list of projects now under way in the several schools of the College.

RESEARCH PROJECTS IN CIVIL ENGINEERING

- (1) Channel Floor Studies. Schoder and Vanderlip
- (2) Viscous Flow in Pipe Lines. Towl and Assistants
- (3) Durability of Mortar Mixtures made with Cement of Varying Proportions
Scofield
- (4) Repeated Loading Strengths of Highway Concrete. Scofield
- (5) Effect of Freezing of Green Cement upon its Strength, etc. Scofield

- (6) Repeated Stress Endurance Tests on Welded Joints Vanderlip
- (7) Mechanics of Earth Dams Jenkins and O'Rourke
- (8) Mechanics of Impact Graduate Students
- (9) Digestibility of Ground Garbage Walker-Malcolm

RESEARCH PROJECTS IN MECHANICAL ENGINEERING

- (1) Psychometric Investigation conducted by Dropkin
- (2) Physical Properties of Rubber conducted by Hirshfeld
- (3) Coefficient of Heat Transfer in Condenser Tubes conducted by Baender
- (4) Drop vs. Film Condensation in Condenser Tubes conducted by Jeffrey
- (5) Electrical Indicator, Strain Gage & Vibrometer
conducted by Davis and Assistants
- (6) Viscometer conducted by Davis and Assistants
- (7) Photo-Elastic Investigation conducted by Switzer and Davis
- (8) Efficiency of Single Cylinder Gas Engine conducted by Upton
- (9) Relation between Physical Properties of Metal and Strength of Columns
conducted by Jeffrey

RESEARCH PROJECTS IN ELECTRICAL ENGINEERING

- (1) Analysis of Distortion in Class B Audio Amplifiers True McLean
- (2) Characteristics of the Bourden Tube P. H. Lincoln
- (3) Application of Matrix Algebra and Tensor Analysis to Electric Circuits and Machinery V. Karapetoff
- (4) Development of a High Fidelity Speech Pick-Up Wm. Moeder
- (5) Development of Equipment for Making and the Study of Characteristics of Quartz Piezo Electric Oscillator Plates Geo. K. Williams
- (6) Radio Field Strength Measurements and Equipment for Same. H. G. Smith
- (7) Influence of Direction of Rolling on the Magnetic Properties of Silicon Steel
L. A. Burckmyer
- (8) Development of an Improved Cathode Ray Oscillograph for Laboratory Purposes B. K. Northrop
- (9) Study of Spectral Energy Distribution by Means of the Photocell
E. M. Strong
- (10) Operational Solutions of Transient Phenomena in Filter Circuits
M. G. Malti

The list of bulletins grows steadily and a number of good ones should result from the work now under way. The Westinghouse Publication Fund insures the publication of the best of these results. During the past year bulletin No. 21, a Precision Method for the Measurement of Condenser Tube Surface Temperature by Mr. Joseph O. Jeffrey was issued and bulletins No. 22 and 23 are now in process of being printed.

In May of this year the College was inspected by a delegation from the Engineers' Council on Professional Development as forecast in the report of last year. The findings of this Council will be published next fall. In connection with this visit an exhibit of the scholarly work of the faculty of the college as now constituted was arranged. The noteworthy items of this exhibit were a list of books written by members of the faculty numbering 95 and a list of magazine articles other than books numbering 1012. These latter cover a wide range of topics, engineering, economics and general subjects and show a wide range of interest on the part of the faculty. Quite a number of the books are leading textbooks and some of them have gone through several editions.

Grateful acknowledgement is made of valuable gifts of communication apparatus from the Western Electric Company of an autotransformer by Martin Henry Offinger '99 and of a syncroscope from the Buffalo General Electric Company. The McGraw Hill Book Company has also continued to send all of their new books in electrical engineering to supplement the Alexander Gray Library that they so graciously presented to the College. The College is also indebted to the Warner and Swasey Company of Cleveland for the gift of a turret lathe.

The following changes and additions to the curricula may be noted—

The course in Chemical Engineering which is given jointly by the College and the Department of Chemistry has been greatly strengthened by closer cooperation of the two groups. Professors Rhodes and Mason have been given seats in the Faculty of Engineering. The course will be administered by a committee consisting of Professor Rhodes as chairman with Professors Diederichs and Mason and such other faculty members as may appear to be necessary. The course will be advertised fully in the publication of both departments and students will be registered jointly in both departments. Aside from the academic advantages of this new arrangement there will be considerable advertising value in it.

The School of Civil Engineering has made a new arrangement of senior options which will include Sanitary Engineering, Transportation Engineering and Geodetic Engineering, thus permitting the student to specialize a little in the latter part of his course. The Sibley School of Mechanical Engineering has added senior options in heat engineering which will include fluid flow, air conditioning, etc., and also an option in metallurgical engineering. The School of Electrical Engineering is offering new courses in electronics and in communication engineering.

The needs of the College are still many and various including buildings, equipment and funds for salaries. The Trustee Council under the leadership of Mr. James Parker has again taken up the program for new buildings that was necessarily laid aside during the depths of the depression. Grateful acknowledgement is made to Mr. Harold Shreve '06 for advice and plans for this new effort. If the College is to stay in the forefront of engineering education these matters must have early attention.

DEXTER S. KIMBALL,
Dean of the College of Engineering.

APPENDIX XIII

REPORT OF THE DIRECTOR OF THE
GRADUATE SCHOOL OF EDUCATION

To the President of the University:

SIR: I have the honor to present the Report of the Director of the Graduate School of Education for the year 1935-36.

ENROLLMENT*

There was an increase of 25 undergraduates taking courses in Education or Rural Education during 1935-36 as compared with 1934-35. Of the 641, 223 were men and 418 were women. Two hundred and thirty-seven were registered in the Department of Education and 404 in the Department of Rural Education. In the following table are presented certain facts regarding enrollment that may be of general interest:

DATA REGARDING UNDERGRADUATES ENROLLED IN EDUCATION

	<i>Registered in Rural Education</i>	<i>Registered in Education</i>	<i>Total</i>	<i>1934-35 Total</i>
Senior standing				
Men	60	26		
Women	71	68	225	244
Junior standing				
Men	78	19		
Women	118	77	292	224
Sophomore standing				
Men	18	15		
Women	44	29	106	123
Freshman standing				
Men	00	00		
Women	00	1	1	0
Special				
Men	6	1		
Women	9	1	17	15
	<hr/>	<hr/>	<hr/>	<hr/>
	404	237	641	616
Total				
Men	162	61	223	236
Women	242	176	418	380

The increase in the number of graduate students having a major or a minor in Education or in Rural Education has been nominal. It has been our policy during the past few years to encourage only those with unusual promise to continue on the graduate level. This number is, however, likely to be considerably increased during the next few years because of the New York program that looks toward granting permanent certification for secondary school teachers only after the completion of a fifth year of training. Forty-three of the graduate students this year had a major in Education while 26 had a minor only. Twenty-two were candidates for the Doctor's degree, 12 of whom were majoring in the field. Within this group were representatives from 15 different states and 7 foreign countries. The following analysis shows further interesting facts regarding these students:

* These figures do not include the summer session enrollment.

	<i>First term</i>	<i>1934-35 Second term</i>	<i>Both terms</i>	<i>1935-36 Both terms</i>
I. Number of different students registered:				
a. With Education* as a major.....	31	35	43	31
b. With Education* as a minor.....	25	18	26	35
	<hr/>	<hr/>	<hr/>	<hr/>
	56	53	69	66
II. Number who are candidates for:				
a. Ph.D. (major in Education*).....	10	11	12	11
b. Ph.D. (minor in Education*).....	9	10	10	8
c. M.A. or M.S.	24	21	30	29
d. M.A. Ed. or M.S. Ed. (M.S. Ed. in 1935-36)	8	10	13	9
e. Other degree.....	1	0	0	3
f. No degree.....	4	1	4	6
III. Geographical distribution:				
a. Number of different states represented....	13	12	15	14
b. Number of foreign countries represented...	7	5	7	3
c. Number from New York State.....	31	25	36	39

* Education or Rural Education.

PLACEMENT OF TEACHERS

In all probability the turnover in the teaching profession will, during the next decade, be considerably smaller than it was in the decade 1920-30, with a consequent decline in the number of newly-trained teachers finding positions. However, Dr. Hulse, Secretary of the Bureau of Educational Service, reports that there has been some increase during the past year. The following paragraphs from his report give a brief statement regarding placements and suggest certain problems that merit serious consideration.

"A partial distribution of placements for the academic years 1934-35 and 1935-36 is shown below. For 1935-36 there is an increase of 34 in the total number of placements over those in the preceding year. The increase is accounted for mainly by the opportunities that existed for experienced teachers during this placement period. An increased demand for seniors in vocational agriculture and in homemaking was not matched by an increased demand for seniors in academic subjects.

	<i>For 1935-36</i>	<i>For 1934-35</i>
Number placed:		
Seniors.....	74	70
Graduate students in residence.....	44	40
Graduates in residence.....	4	1
Graduate students in the field.....	66	64
Graduates in the field.....	75	54
	263	229
Positions filled:		
Through Bureau on direct notice from employer to University.....	96	80
Through University outside Bureau.....	13	13
Through individual effort with aid of Bureau.....	38	26
Through individual effort alone.....	77	64
Through outside placement bureaus and commercial agencies.....	23	31
Uncertain.....	16	15
	263	229
Institutions supplied:		
Colleges, universities, and normal schools.....	54	43
Private schools.....	4	14
Public schools.....	168	144
Other institutions.....	37	28
	263	229

"The increasing demand from small colleges and teachers' colleges for teachers of academic subjects holding the Ph.D. degree that was noted last year has been maintained. Consequently, the majority of qualified candidates in residence are readily finding positions, though at reduced salaries.

"Placement of teachers of vocational agriculture and of homemaking for next year is proceeding very well, with a heavy demand for teachers in these fields. On the other hand, the outlook for our seniors preparing to teach academic subjects is not encouraging. This is due partly to the smaller number of vacancies reported to this office and partly to the type of preparation offered at Cornell. The teaching of English and library work are closely related fields in the public schools; also there are many combinations of academic subjects with commerce, physical education, music, and drawing. Inasmuch as we do not offer preparation in these special fields, our candidates can apply for only those vacancies that exist in one or more academic subjects. Too often seniors at Cornell are prepared to teach only one subject, due to the intensive type of preparation encouraged in this institution. While in the long run this may be a good policy, since the schools are gradually being reorganized to provide more specialized teaching programs, it is at the present time a decided handicap."

EDUCATION IN THE 1935 SUMMER SESSION

The gradual increase in certification standards for school officers and the desire of members of the profession to further prepare themselves for their work make the Summer Session particularly important to the Graduate School of Education. A total of 549 different individuals were enrolled in Education courses, with a total of 1055 registrations. These registrations were distributed among 41 courses offered by 26 instructors, 11 of whom were visiting members of the staff. Seventy-four of those who matriculated during the summer were seeking the Master of Science in Education degree. Of the total number studying Education, 82 were principals and superintendents; 286, high school teachers; 43, elementary teachers; 50 held other positions; while 88 were without a position. Of these, 105 had no degree; 403 held a Bachelor's degree; 37, a Master's degree; and 4, a Doctor's degree. Of the 292 registered in the Graduate School, 17 were seeking the Doctor of Philosophy degree; 50, the Master of Arts; 57, the Master of Science; 163, the Master of Science in Education; while 5 were non-candidates. Of the total number, 303 were men and 246 were women. Four hundred and forty were residents of New York State, and 107 were residents of 23 other states. One hundred ninety-one were working in communities having a population under 4500; 118, in village schools; and 23, in other schools. The leading subjects taught by the high school teachers enrolled were agriculture, English, home economics, industrial arts, mathematics, science, and social studies. During this summer, there was a marked decline in the number of unit courses (two weeks in length), there being only one offered. Those formerly demanding such unit courses are now attending the summer session for the full period.

CONFERENCES

Under the direction of Mr. Charles L. Mosher, Director of the Bureau of Attendance and Child Accounting of the New York State Department of Education, a conference on the problems of attendance was held during the week of July 29-August 2. This significant conference was attended by a large number of students in the summer session. In addition, 95 persons from outside of Ithaca were registered, many of these being leaders in this field of work. The conference served to call attention to the changing attitude that is coming about in the administration of attendance laws. Gradually, the profession is beginning to realize that the administration of attendance goes far beyond the invocation of compulsory education laws, leading to an analysis of causes of non-attendance and a study of how the effect of these causes may be reduced or eliminated.

During the last two weeks of the summer session, a conference of leaders in agricultural education was held under the direction of Professor Stewart. Leaders in this field from all parts of the United States were present.

The visit of Dr. Peter Manniche, of the International Peoples College at Elsinore, Denmark, to Cornell University in March, gave opportunity for the holding of a conference on the community responsibilities of the school. Some 75 school officers from Tompkins and contiguous counties attended. This conference is interesting in another respect, namely, that the two honorary Education societies, Phi Delta Kappa and Pi Lambda Theta, assumed the major responsibility.

The Parent-Teacher Institute of 1936 marked the beginning of the second decade of this very useful activity. The registration at the Institute increased from a mere handful in the first year to 415 in 1935. While a fair number have returned for two or more institutes, the total number of individuals registered during the decade has been considerable. The enrollment this year was 508. The topic discussed was "The Problems of Public Education Growing Out of Changes and Maladjustments in Society". When one realizes that those attending this conference were (largely) women who are among the most influential in their respective communities, one may have some notion as to what a conference of this type may mean in the development of an intelligent program of education in a democracy.

ACTIVITIES OF STAFF MEMBERS OUTSIDE OF THE UNIVERSITY

Members of the staff are frequently called upon for service on committees of state and national scope. Among the more important of these committee memberships in 1935-36 may be mentioned: National Conference Committee on Rural Education; National Committee on Research in Secondary Education; Executive Committee, New York State Home Economics Association; New York State Literacy Test Commission; New York State Committee on Research in Education; Board of Trustees, George Junior Republic; Resolutions Committee of the Department of Superintendence, National Education Association; National Council of Boy Scouts of America; Educational Policies Commission of the National Education Association; (Chairman) Committee on Research for Agricultural Education, American Vocational Association and of a similar committee for the North Atlantic Region; Committee on Policy and Program for Agricultural Education, American Vocational Association; New York State Examinations Board; (Chairman) Committee on Resident Chapter Advisers of the National Interfraternity Conference; and Advisory Board of the *School Activities Magazine*.

Staff members have also acted as: vice president of the New York State School Boards Association, director of Nature Education, American Nature Association, editor for Nature Study of *School Science and Mathematics*, consulting editor of *The Nation's Schools*, special adviser to the Board of the National Co-operative Study of Secondary School Standards, and contributing editor of the *Social Science Magazine*.

Because the Department of Rural Education is supported from state and federal funds, the staff in this department is called upon frequently for lectures and addresses in the state. During the year, 10 members gave 96 lectures to approximately 13,500 people. Many of the staff in both departments were called upon for similar work in other states.

OTHER DEVELOPMENTS DURING THE YEAR

In an effort to make its work more significant professionally, the staff has been giving considerable attention to the training of secondary school teachers. During the last two or three years, greater care has been exercised in the selection of those who are encouraged to go into the teaching profession by admitting them to the work in practice teaching. To unify our various activities along this line and to stimulate an exchange of experiences, a new Committee on the Training and Certification of Secondary School Teachers has been set up under the chairmanship of Professor Kruse. Arrangements have also been made for centralizing the responsibility for recommending candidates for state certificates. A Committee on Placement has been established to study the problems in this field.

New programs have been submitted to officers of the State Department of Education of New York and have been accepted by them for the training of principals of elementary schools, of secondary schools, and of schools with twelve grades. These programs give more freedom in the selection of courses by the student than did the ones formerly in effect.

The University authorities have appropriately recognized the distinguished services of Professor Charles DeGarmo to American education and to Cornell University through the organization of a committee to raise funds for a DeGarmo memorial. Professor Jordan has been named a vice-chairman with former-president Schurmann as chairman.

A significant extension of our program was undertaken in the 1935 Summer Session in the introduction of courses in Industrial Education and Industrial Arts Education leading to a Master of Science in Education degree. The results of this summer's experience were so encouraging as to warrant the State Department of Education and the University in projecting a long-time program for the training of workers, especially on the leadership level, in these fields.

One of the most significant developments of the year was a change in policy regarding the composition of the faculty of the Graduate School of Education. Recognizing that the training of teachers must be a joint responsibility of certain academic departments and of the staff in Education, eight academic members have been added to the faculty. It is hoped that, through this action, professional and academic members will be stimulated to study anew the problem of training teachers for secondary schools in order that, together, we may develop the soundest possible program of teacher education. In conformity with the legislation, the President of the University made the following appointments with terms as indicated:

Agriculture—Professor E. S. Savage, 1937
Biological Science—Professor P. W. Claassen, 1937
English—Professor C. W. De Vane, 1936
Foreign Language—Professor C. L. Durham, 1936
Home Economics—Professor M. F. Henry, 1937
Mathematics—Professor W. B. Carver, 1938
Physical Science—Professor R. C. Gibbs, 1938
Social Studies—Professor R. E. Cushman, 1938

THE CORNELL PROGRAM IN RURAL EDUCATION

In 1913, Dean Liberty Hyde Bailey of the College of Agriculture organized the Department of Rural Education and the next year appointed George A. Works as professor in charge. Under Professor Works' leadership, the Department, first specializing in nature study, agricultural education, and homemaking education, exerted a wide influence. About 1920, this program was enlarged to include the education of workers in other phases of rural education. Since that time, the program has shown normal development, with a student body drawn from many states and foreign countries. The conception underlying this program is that, while the large objectives of general and rural education are the same, problems of great significance and of unusual difficulty exist in areas of relatively sparse population and demand special consideration. In New York State these areas include all outside of communities of 4500 population and over. In its graduate program, the Department concerns itself primarily with the problems of leadership, giving particular attention to the training of supervisors of agriculture, homemaking, and nature study, of supervisors, principals, and superintendents for rural elementary and secondary schools, and of specialists in all these fields for normal schools and universities. The Department publishes *The Rural School Leaflet* under the editorial direction of Professor E. L. Palmer. In 1935-36, 285,350 copies of this journal were distributed.

While the Department of Education is primarily concerned with training workers for other than the rural field, the two departments pool their resources through the Graduate School of Education.

JULIAN E. BUTTERWORTH,
Director of the Graduate School of Education.

APPENDIX XIV

REPORT OF THE ADMINISTRATIVE BOARD OF THE SUMMER SESSION

To the President of the University:

SIR: I have the honor to submit on behalf of the Administrative Board of the Summer Session the following report of the Session of 1935.

Upon recommendation of the University Faculty the Board of Trustees on June 18, 1934 took action to combine the various Summer Sessions and Summer Schools of the University into a single Summer Session. The action provided for the appointment of an Administrative Board of five or more members and of a Director who should be the executive officer of the Summer Session and Chairman of the Board. The Administrative Board was constituted on July 20, 1934, by the appointment of the following members: Professor F. K. Richtmyer, Dean of the Graduate School, *ex officio*; Professors G. H. Sabine, J. E. Butterworth, R. E. Cushman, H. H. Whetzel. The Board held its first meeting on July 25, 1934; seven other meetings have since been held on call of the chairman. During the second semester Professor Clyde B. Moore served as a member of the Board in the place of Professor Butterworth, absent on leave.

In accordance with the recommendation of the University Faculty and the action of the Board of Trustees, a complete reorganization of the Summer Session has been carried out. Because of the diverse sources from which the funds for the Summer Session are derived, four subordinate administrative units were set up: these are the University Summer School, the New York State Summer School of Agriculture, the New York State Summer School of Home Economics, and the Summer School of Hotel Administration. The reorganization was completed on January 24, 1935 by the discontinuance of the Summer School of Biology and the division of its responsibilities between the University Summer School and the State Summer School of Agriculture.

A second and highly important step in the unification of Summer Session activities was taken on November 10, 1934, when the Board of Trustees, on recommendation of the Administrative Board of the Summer Session voted that a uniform tuition fee of \$50 should be charged to all Summer Session students. A minor exception to this action provided for the continuation of the existing tuition rate for students registered as candidates for degrees in the Graduate School before April 1, 1935. The revision of charges to Summer Session students was completed by action of the Board of Trustees on April 27, 1935, when the incidental fee charged to students in the State Summer Schools who are residents of New York State was abolished.

Three different salary scales for members of the summer instructing staff were in effect in the various units when the present Administrative Board came into existence. In line with its other actions in the direction of uniformity a single salary scale was adopted and all appointments to the instructing staff in the Session of 1935 were recommended on that basis. The scale adopted reduced a few salaries and increased a larger number by similar or greater amounts. This increase in salaries was most important in appointments made in the field of the former Summer School of Biology, which had been operating for several years on a lower salary scale than other units of the Session.

In planning and announcing the courses to be offered in the 1935 Session the advantages of the consolidation were utilized in several important ways. Closely related departments such as Education and Rural Education, Economics and Agricultural Economics, etc., cooperated in planning the courses to be offered in their joint fields. Courses were listed in the Announcement in subject-matter divisions, without regard to the School in which they were offered. These and similar simplifications made possible by the reorganization not only permitted some considerable saving in printing and other expenses, but also greatly simpli-

fied the routine work of registration, collection of fees and other administrative operations.

The Summer Session of 1935 began on July 8 and ended on August 16. The significant facts about attendance are shown in the following tables.

ATTENDANCE

	1934	1935
Men	953	979
Women	702	795
	<hr/>	<hr/>
Totals	1655	1774

ATTENDANCE BY SCHOOLS

University Summer School	1339
State Summer School of Agriculture	781
State Summer School of Home Economics	128
Summer School of Hotel Administration	73
	<hr/>
Less Double Registrants	2321
	<hr/>
	547
	<hr/>
	1774

STUDENTS IN THE GRADUATE SCHOOL

Registered in the Summer Session	570
Registered under Personal Direction	152

CLASSIFICATION OF STUDENTS BY PREVIOUS TRAINING

Graduate degrees	191
Bachelor's degrees	767
Undergraduates	529
Normal School graduates	132
Others	155
	<hr/>
	1774

CLASSIFICATION OF GRADUATES AND UNDERGRADUATES

	<i>Cornell</i>	<i>Other Institutions</i>	<i>Totals</i>
Doctor's degree	4	12	16
Master's degree	40	135	175
Bachelor's degree	123	644	767
Undergraduates	280	249	529
	<hr/>	<hr/>	<hr/>
	447	1040	1487

CLASSIFICATION OF TEACHERS IN ATTENDANCE

Universities and Colleges	117
Normal Schools	7
Junior Colleges	7
Superintendents	15
Principals	69
Supervisors	17
High Schools	521
Junior High Schools	44
Grade Schools	108
	<hr/>
	905

GEOGRAPHICAL DISTRIBUTION

	1934	1935
New York	1125	1163
Pennsylvania	130	153
New Jersey	75	66
Other Middle Atlantic States	18	35
New England	90	113
South	68	69
South West	16	12
Middle West	80	107
Rocky Mountain States	6	8
Pacific Coast	14	7
Philippines		2
Canada		14
Foreign Countries	33	25
Totals	1655	1774

The Administrative Board is of the opinion that the satisfactory operation of the Summer Session of 1935 has adequately demonstrated the value of the re-organization just completed.

LOREN C. PETRY,
Director of the Summer Session.

APPENDIX XV

REPORT OF THE DEAN OF WOMEN

To the President of the University:

SIR: I have the honor to submit to you the following report of the Dean of Women, for the year 1935-36.

The residences for women students were the same as for the past few years—Prudence Risley Hall, Sage Hall, the four Units of Balch Halls, and thirteen sorority houses. Due partly to illness there were nine changes in Head Residents and chaperons during the year. New chaperons were engaged for the following sorority houses: Alpha Phi, Alpha Epsilon Phi, Alpha Xi Delta, Delta Gamma, (Miss King retired after seven years of service), Kappa Delta, (Mrs. Seymour took a year's leave of absence to visit in China), Kappa Kappa Gamma, and Sigma Kappa, (Mrs. Reed, who has been here for several years was obliged to give up her work during the year because of serious illness). Mrs. Mabel Daniell, who had spent three years as chaperon at the Alpha Xi Delta house, took the position as Head Resident of Unit III, Balch Halls, the position being vacant because of the death of Mrs. Maude Biggs. Mrs. Alma Brook became the Head Resident of Risley. In June 1936 she resigned to accept a more remunerative position at the University of Kansas. This position will be filled in the fall of 1936, by Mrs. Fannie Grant Russell, of Sparta, Illinois. Graduate women were housed as usual—that is, some in Balch Halls, in Risley Cottage (Miss Marion Dawson, Chaperon), Risley Terrace (Mrs. Mary Morley, Chaperon), and in private homes in Ithaca.

ENROLLMENT

The enrollment of women students by places of residence is as follows:

<i>First Term</i>	<i>Undergraduates</i>	<i>Special</i>	<i>Graduates</i>	<i>Total</i>
Balch Halls	305	2	9	316
Risley	189			189
Sage	175		1	176
Sorority	200		1	201
Room and Board	70	2	2	74
Home	147	9	24	180
Special Permission	8			8
Risley Cottage	2		6	8
Risley Terrace	3	2	5	10
Relatives	17		2	19
Approved Room		5	38	43
Approved Apartment		1	22	23
Commuting	10		3	13
Non-Resident			3	3
	<hr/>	<hr/>	<hr/>	<hr/>
	1126	21	116	1263

<i>Second Term</i>	<i>Undergraduates</i>	<i>Special</i>	<i>Graduates</i>	<i>Total</i>
Balch Halls	285	3	13	301
Risley	189			189
Sage	171		1	172
Sorority	192		1	193
Room and Board	67	2	3	72
Home	143	7	28	178
Special Permission	7			7
Risley Cottage	2		5	7
Risley Terrace	2	3	5	10
Relatives	18		2	20
Approved Room	3	4	41	48
Approved Apartments	1	2	20	23
Commuting	10	1	2	13
Non-Resident			7	7
	<hr/>	<hr/>	<hr/>	<hr/>
	1090	22	128	1240

EMPLOYMENT

Employment of women students was as follows:

<i>Type of Employment</i>	Number of students employed	
	<i>First Term</i>	<i>Second Term</i>
Dormitory Night girls (earning room and board)	7	7
Earning Room and Board in Private Homes	78	76
N. Y. A.	120	134
Waitresses in Dormitories and Willard Straight	130	130
	<hr/>	<hr/>
Total	335	347

In addition to these are waitresses in sororities, at Johnny Parson's Club and Home Economics Cafeteria, and Desk Girls.

There were eighty two (82) different students earning room and board in private homes during the year, eight (8) of whom were forced to give up their positions without completing the year. (2 failed in their scholastic work; 2 stopped because of illness; 1, feeling that she could not carry this work and her scholastic work, obtained a leave of absence; 3 gave up their positions because they found it would not be necessary to earn that much.)

PRESIDENT'S REPORT

LOANS TO WOMEN STUDENTS

The loan funds proved adequate this past year to cover all requests. Amounts, and funds from which borrowed were as follows:

	<i>Number of loans</i>	<i>Amount</i>
Women Students' Loan Fund	45	\$6887.08
Alumnae Loan Fund	25	599.16
Miscellaneous Funds	7	369.98
	<hr/>	<hr/>
Total	77	\$7856.22

Four scholarships of \$100 each were granted. The above scholarships and loans were recommended or administered by this office. Other funds were available to women students through other committees and departments.

SOCIAL LIFE

A summary of social affairs registered in this office compared with previous years is as follows:

	1930-31	1931-32	1932-33	1933-34	1934-35	1935-36
Informal dances	245	252	304	316	288	273
Formal Dances	114	125	110	116	104	101
House Parties	74	62	64	82	92	90
Other functions	45	55	44	64	52	52
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total functions	478	494	522	579	536	516

VOCATIONAL TALKS

Besides the many personal consultations held in this office, a small library is being collected of books and pamphlets on the subject of definite vocations and these are widely read. In addition to this a very interesting conference was held on March 14, conducted under the leadership of the Cornell Federation of Women's Clubs, the W.S.G.A., and this office. Seven Cornell alumnae of prominence in their respective fields gave their time to come to Cornell for the week end. At a general meeting of interested students, each gave a brief outline of the work in her field, preparation necessary, possibilities, etc. Group and personal conferences were held throughout the remainder of the day and evening and were of much value to the students. Mrs. Marjorie Greenbie, Cornell, Miss Hayward (Katherine Gibbs School), Miss Katherine Faville (Western Reserve Nursing School), have been here for consultations. Miss Florence Jackson, expert consultant in Vocations, was here for several days in the fall.

OFFICE AND ASSISTANTS

Miss Margaret Thompson, a graduate of Pomona College, with several years of experience in teaching and Library work, came August first 1935 as Assistant to the Dean of Women. Miss Eleanor Simonds completed her ninth year with a similar title. These two, with a part time stenographer, have completed the office staff.

SUMMER SESSION—1935

The enrollment at Summer Session increased over the previous year, and Risley and Sage Halls, eight sorority houses, and Risley Cottage and Risley Terrace, were used for residences.

PERSONNEL

The greater part of the time of the Dean of Women is devoted to personnel work; discussing with students, their interests and problems, helping them budget time, correlate studies, and whatever seems of interest to them.

W.S.G.A.

Miss Marjorie Kane has been President of W.S.G.A. and has had the confidence and cooperation of the student body. The new plan of financing women's activities, mentioned in last year's report, has worked well and has made it possible for a great increase in attendance at class banquets, and other social affairs, and participation by a greater number in activities.

R. LOUISE FITCH,
Dean of Women.

APPENDIX XVI

REPORT OF THE DIRECTOR OF ADMISSIONS

To the President of the University:

SIR: I respectfully submit my report on admissions to the undergraduate colleges of the University in September 1935.

TABLE I

This table shows the number who applied and the number of new students admitted to each of the undergraduate colleges. Only those have been counted as applicants who actually filed formal applications for admission as regular students; persons merely indicating intent to enter, whether by letter or by interview, are not included. So-called "special students" are counted separately. Under "admitted" are included those who met all University requirements and the particular requirements of the college concerned and who were consequently notified that they were entitled to matriculate as regular students, whether they afterwards registered or not. (For figures on registration see the Registrar's report.)

A. Applications and admissions from secondary schools:

<i>College</i>	<i>Applied</i>	<i>Admitted</i>
Arts and Sciences		
A.B.	977	448
B.Chem.	81	49
Agriculture	571	335
Home Economics	360	97
Hotel Administration	111	48
Architecture	23	13
Engineering	294	199
	<hr/>	<hr/>
	2417	1189

B. Applications and admissions by transfer from other higher institutions:

<i>College</i>	<i>Applied</i>	<i>Admitted</i>
Arts and Sciences		
A.B.	222	79
B.Chem.	9	4
Agriculture	101	47
Home Economics	67	9
Hotel Administration	50	19
Veterinary	111*	12*
Architecture	18	9
Engineering	42	22
	<hr/>	<hr/>
	620	201

*As the Veterinary College now requires at least a year of college work before entrance it is placed here in Table B rather than Table A. The figures given are for applications and admissions from outside the University only, and do not include applications and admissions from other colleges within the University.

PRESIDENT'S REPORT

C. Special students, including the two-year Special Courses in Agriculture.

<i>College</i>	<i>Applied</i>	<i>Admitted</i>
Arts and Sciences		
A.B.	6	4
Agriculture	14	8
2 year Special	133	92
Home Economics	3	2
Hotel Administration	6	4
Engineering	2	1
	<hr/>	<hr/>
Grand Total	164	111
Less "specials"	3201	1501
	<hr/>	<hr/>
164		111
Total "regulars" (for comparison with totals given in previous reports, which excluded "specials")	3037	1390

The total applications for 1935 show an increase of 226 and the admissions an increase of 80 over those for 1934.

TABLE II

Students admitted from secondary schools (see I, A) divide as follows according to the method by which each one offered the greater part of his entrance credit:

Certificate	319
Regents	841
Examination	2
College Board	27
	<hr/>
	1189

Many students present entrance credit by more than one of the four methods. The following shows the number offering credit by any one of the four methods:

Certificate	806
Regents	860
Examination	74
College Board	49

Two hundred thirty-two schools used the certificate privilege in 1935.

TABLE III

ENTRANCE EXAMINATIONS

Total new applicants trying the September entrance examinations	125
Applicants who completed entrance requirements by examination	74
Applicants trying examinations but failing to meet requirements thereby	51

The proportion of passing grades (60 or above) for all subjects to the total number of grades reported was, in 1935, 47%.

In conclusion I may mention briefly two matters that seem to me especially striking.

The first is a matter of history which has been recorded more than once in my reports and which will bear repeating: that is, the continued effort on the part of devoted alumni, both as an organization and as individuals, to engage an interest in Cornell on the part of young men and women of their neighborhood. Those of us who have watched "Cornell Days", for example, under the leadership of Mr. Thorne, Mr. Coffin, and Mr. Ashbery have derived encouragement from Cornellians of the past and felt confidence in the Cornellians of the future.

The second is a matter of prophecy which grows from the observation of such tendencies as may be seen in the Progressive Education Experiment, for instance, or in the new type of examinations of the College Board. Apparently college admissions in the future may become less and less a mere counting of units. New measurements are being developed which claim a place beside the old ones and may, in time, supplant them. The University must be alert to these changes and ready to adopt them if they prove good. The time may be at hand when we should re-examine as a whole our entrance requirements and procedures.

EUGENE F. BRADFORD,
Director of Admissions.

APPENDIX XVII

REPORT OF THE REGISTRAR

To the President of the University:

SIR: I have the honor to submit herewith my sixth annual report as Registrar of the University. The report covers the academic year 1935-36 including the Summer Session of 1935 and, for convenience, work between the end of the second term 1934-35 and July 1, 1935 but excluding work between the end of the second term 1935-36 and July 1, 1936.

THE YEAR

	<i>Days in Session</i>	<i>Sun- days</i>	<i>Holi- days</i>	<i>Vaca- tion</i>	<i>Total</i>
Summer Vacation, June 18-July 7				20	20
Summer Session, July 8-Aug. 16.	35	5			40
Summer Vacation, Aug. 17-Sept. 22.				37	37
First Term, Sept. 23-Feb. 5.	101½	15			116½
Thanksgiving Vacation, Nov. 28-Dec. 1.				4	4
Christmas Vacation, Dec. 21-Jan. 5.				15½	15½
Midyear Recess, Feb. 6.				1	1
Spring Vacation, March 28-April 5.				8½	8½
Spring Day, May 23.				1	1
Second Term, Feb. 7-June 15.	103½	17			120½

ATTENDANCE FOR THE YEAR 1935-36

	Graduates										
		Class 1940	Class 1939	Class 1938	Class 1937	Class 1936	2 Yr. Spec. Agr.	Special	Total	Duplicates	Net Total
Agriculture	Men	3	315	215	190	189	166	26	1104		
	Women	1	40	41	35	22	3	11	153		
	Total	4	355	256	225	211	169	37	1257		
Architecture	Men	8	24	25	28	43		1	129		
	Women	7	4	3	3	5			22		
	Total	15	28	28	31	48		1	151		
Arts	Men	6	353	307	292	322		5	1285		
	Women		155	125	126	127		7	540		
	Total	6	508	432	418	449		12	1825		
Engineering	Men	7	212	200	176	211		2	808		
	Women		1	1	1	2			4		
	Total	7	213	201	176	213		2	812		

PRESIDENT'S REPORT

ATTENDANCE FOR THE YEAR 1935-36—*Concluded*

	Graduates	Class 1940	Class 1939	Class 1938	Class 1937	Class 1936	2 Yr. Spec. Agr.	Special	Total	Duplicates	Net Total	
Graduates	Men.....	665							665			
	Women.....	151							151			
	Total.....	816							816			
Home Economics	Men.....							1	1			
	Women.....		98	93	115	121		13	440			
	Total.....		98	93	115	121		14	441			
Law	Men.....			49	56	53			158			
	Women.....			1	1	2			4			
	Total.....			50	57	55			162			
Medicine	Men.....		82	70	56	48		3	259			
	Women.....		6	8	10	6		1	31			
	Total.....		88	78	66	54		4	290			
Veterinary	Men.....		36	33	31	25			125			
	Women.....		3		1	2			6			
	Total.....		39	33	32	27			131			
Hotel	Men.....	3	52	60	42	31		6	194			
	Women.....		3	6	1	5			15			
	Total.....	3	55	66	43	36		6	209			
Total	Men.....	665	27	1074	959	871	922	166	44	4728	59	4669
	Women.....	151	8	310	278	292	292	3	32	1366	16	1350
	Total.....	816	35	1384	1237	1163	1214	169	76	6094	75	6019

*DISTRIBUTION OF DUPLICATES

	Men	Women	Total
Arts—Agriculture.....	1	1	2
Arts—Architecture.....	2		2
Arts—Engineering.....	5		5
Arts—Hotel.....	5	2	7
Arts—Medicine.....	13	1	14
Arts—Veterinary.....	1	1	2
Agriculture—Architecture.....	1		1
Agriculture—Arts.....	1		1
Agriculture—Engineering.....	1		1
Agriculture—Home Economics.....		1	1
Agriculture—Law.....	1		1
Architecture—Engineering.....	2		2
Engineering—Hotel.....	1		1
Law—Home Economics.....		1	1
Graduate School—Agriculture.....	10		10
Graduate School—Arts.....	10	5	15
Graduate School—Architecture.....	1		1
Graduate School—Home Economics.....	1	2	3
Graduate School—Engineering.....	2		2
Graduate—Graduate.....	64	14	78
Graduate School (Personal Direction—Graduate).....	44	7	51
Graduate in SS—Graduate (Personal Direction).....	8	1	9
Graduate—Summer Session.....	348	224	572
Summer Session—Agriculture.....	18	5	23
Summer Session—Architecture.....	12	3	15
Summer Session—Arts.....	81	37	118
Summer Session—Engineering.....	111	1	112
Summer Session—Home Economics.....		12	12
Summer Session—Hotel.....	4		4
Summer Session—Veterinary.....	3	1	4
Total.....	751	319	1070

*To accompany the table showing attendance for the year 1935-36.

REGISTRAR'S REPORT

lix

ATTENDANCE AT SUMMER SESSION, ETC.

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Graduate, Personal Direction	116*	37	153
Graduate, 1935 SS, SS Agriculture	349	221	570
Summer Session, 1935	982	792	1774
Short Winter Agriculture, 1935-36	121	7	128
Extramural Course	29	136	165

*5 students double registration counted once.

MATRICULATES

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Graduates	262	116	378
Advanced Standing	183	61	244
First Year	885	278	1163
Special Students	16	13	29
2 Year Special Agriculture	90		90
Medicine (New York City)	46	7	53
Summer Session 1935	311	438	749
Summer Graduate (Personal Direction)	4	1	5
Total	1797	914	2711
Duplicates	71	75	146
Net Totals	1726	839	2565

DEGREES

September 1935; February 1936; and June 1936

	<i>Men</i>	<i>Women</i>	<i>Total</i>
A.B.	259	129	388
B.Chem.	24		24
B.S. (a)*	183	19	202
B.S. (b)		111	111
B.S. (c)	28	1	29
D.V.M.	22	1	23
B.Arch.	24	1	25
B. Fine Arts		2	2
B.L.A.	2	2	4
C.E.	43	1	44
M.E.	55	1	56
E.E.	30		30
Chem. Engr.	7		7
B.S. in A.E.	42		42
A.M.	36	36	72
A.M. in Education	8	2	10
M.S.	46	24	70
M.S. in Education	8	5	13
M.S. in Agriculture	13		13
M.S. in Engineering	7		7
M. in Forestry	1		1
M. Chemistry	3		3
M. Architecture	3		3
M.C.E.	16		16
M.M.E.	3		3
M.F.A.	1		1
LL.M.	1		1
Ph.D.	105	19	124
LL.B.	49	2	51
M.D.	60	4	64
Totals	1079	360	1439

*a, means Agriculture; b, Home Economics; c, Hotel Administration.

EUGENE F. BRADFORD,
Registrar.

AGE AT GRADUATION (Supplement to Appendix XVII)

The following table shows in years and months the age at graduation of the class of 1935. For the age at graduation, taken at ten-year periods from 1870 to 1900, and at five-year periods from 1900 to 1930, see the Report of the Registrar, 1933-1934.

Class of 1935

	<i>Minimum</i>	<i>Median</i>	<i>Maximum</i>
Agriculture			
Men.....	19-8	22-10	39-3
Women.....	20-7	21-11	26-8
Architecture			
Men.....	21-3	23-5	44-2
Women.....	22-5	23-3	24-1
Arts			
Men.....	18-11	21-8	28-1
Women.....	19-8	20-6	27-9
Engineering			
Men.....	20-	22-3	39-10
Masters			
Men.....	20-7	27-7	72-5
Women.....	20-2	27-5	47-4
Doctors			
Men.....	24-	29-3	47-3
Women.....	20-7	27-2	46-10
Home Economics			
Men.....	21-5	22-7	25-9
Women.....	19-2	22-1	36-4
Law			
Men.....	22-	24-5	27-2
Medicine			
Men.....	22-11	25-11	35-3
Women.....	24-3	26-6	36-9
Veterinary			
Men.....	20-9	23-4	61-8

APPENDIX XVIII

REPORT OF THE UNIVERSITY PLACEMENT BUREAU

To the President of the University:

SIR: I have the pleasure to submit herewith, on behalf of the University Committee on Placement, the annual report of the University Placement Bureau for the year 1935-36.

The Bureau has now completed its third full year, and has assumed—in addition to the placement of seniors and alumni—summer placements for undergraduates and the administration of the Federal Student-Aid Program at Cornell. These two new functions have developed in magnitude and importance, as have the original functions of the Bureau.

The work of the Placement Bureau can best be shown by the following tables of statistics.

TABLE I

REGISTRATIONS OF SENIORS

<i>College</i>	<i>1934</i>	<i>1935</i>	<i>1936</i>
Agriculture.....	24	45	42
Architecture.....	0	5	3
Arts and Sciences.....	92	141	140
Engineering.....	6	54	29
Home Economics.....	8	19	13

In Table I, the one hundred and forty registered seniors in the College of Arts and Sciences represent the voluntary registration of 93 per cent of all Arts seniors who last fall indicated their availability for work after graduation. The remainder of the senior class, presumably, are provided for, or plan to continue their studies, or expect to go into teaching. The Bureau is making a strong effort to serve the seniors of the College of Arts and Sciences especially, since they seem to need the aid of the Bureau more than students in other colleges which have some placement work of their own. However, the registration figures for colleges other than Arts and Sciences do not reveal the closeness of contact existing between them and the Bureau, and the numerous aids in placement furnished them by the Bureau.

TABLE II

REGISTRATION OF ALUMNI

	<i>1935</i>	<i>1936</i>
Actively interested in new positions (most now working).....	368	332
Satisfactorily employed since registering.....	224	755

Alumni registration has increased in the last year because all alumni, other than those living in the New York metropolitan area, are referred to the Ithaca Bureau for registration. Partly because of this and partly because of increased publicity the total number of alumni registrations has grown, in spite of improved employment conditions.

During 1935-36 we subsidized the employment service of the Cornell Club of New York to the extent of \$100 a month. That office and the Ithaca Bureau have worked closely and effectively, and we have recommended that the subsidy be continued for another year.

PRESIDENT'S REPORT

TABLE III
PLACEMENTS

	1934	1935	1936
Seniors placed in their first positions	17	29	45
Alumni placed in permanent positions	13	24	16
Miscellaneous temporary positions (part-time, summer, etc.)	26	10	38
Company calls for alumni	122	165	184
Company calls for seniors			104

Table III shows an encouraging and significant increase in the total number of placements made and calls received by the Bureau. It will be noted that alumni placements have decreased; but this was to be expected with improved economic conditions, since our alumni placement includes the finding of better positions for persons already working, not only jobs for those out of employment.

TABLE IV
SUMMER PLACEMENTS

Registrations: for camp work	121
for other work	227
Placements	26
Calls: for camp work	13
for other work (except sales)	22
for sales work	14

TABLE V
EMPLOYMENT OF 1936 GRADUATES
REPORTED BY THE SEVERAL COLLEGE AND DEPARTMENT OFFICES

College	Have Positions	Total Class	Known Employed June 1936	Known Employed June 1935
Agriculture:				
Men	92	148	62%	51%
Women	3	14	21%	52%
Architecture:	13	26	50%	19%
Arts and Sciences:				
Men	29	92*	32%	16%
Women	2	41*	3%	3%
B. Chem.	16	21	76%	43%
Engineering:				
A.E.	32	40	80%	65%
C.E.	21	35	60%	20%
E.E.	21	28	75%	62%
M.E.	38	50	76%	46%
Chem. Eng.	7	7	100%	100%
Home Economics:	64	102	63%	42%
Hotel Management:	20	24	84%	76%
Veterinary:	16	23	70%	76%

Table V presents the employment data for the 1936 graduates as reported by the several colleges of the University. These data show the number of students who had reported their positions up to June 25, 1936. These positions were not

*Includes only members of the class registered at the University Placement Bureau. The rest of the class has indicated its intention either to teach or to continue on in graduate study.

necessarily obtained with the help of any University office or officer, though many of them were. The table is particularly interesting in showing what percentages of our students are employed immediately upon graduation, and the percentages show a striking improvement over 1935. These data do not include teacher placements.

On the whole the University Placement Bureau has had a successful and promising year, and may look forward to increasing usefulness. The Bureau was fortunate in having been able to employ an assistant under Mr. Williams to take charge of the numerous and time-consuming details connected with the program of the National Youth Administration and to follow more closely the students and projects under this program. This enabled the Director to spend his time and energies on the placement problems themselves. The office staff has been devoted and effective in the performance of its duties; and the Committee wishes again to commend highly the work of Mr. Williams.

The student-aid program of the National Youth Administration has been of great help to hundreds of Cornell students and of no little value to the University as well, for a great deal of useful work has been performed in a variety of fields by the students thus employed. The following tables show the numbers of students for whom such employment was found and the sum of payments to them by the NYA in 1935-36:

TABLE VI
NYA
UNDERGRADUATE PROGRAM

<i>Month</i>	<i>Number of Students Aided</i>	<i>Average Earned Per Student</i>	
October	623	\$12.25	
November	635	14.39	
December	648	14.34	
January	629	14.02	
February	690	14.43	
March	697	14.60	
April	702	14.82	
May	691	14.99	
June	592	14.80	
Total payments to undergraduates			\$84,522.90

GRADUATE PROGRAM

<i>Month</i>	<i>Number of Students Aided</i>	<i>Average Earned Per Student</i>	
October	66	\$20.60	
November	71	22.66	
December	71	23.63	
January	62	24.40	
February	64	22.92	
March	74	26.08	
April	67	27.40	
May	65	26.94	
June	58	27.94	
Total payments to graduate students			\$14,730.53
Grand total of payments			\$99,253.43

F. S. FREEMAN, *Chairman*,
University Committee on Placement.

APPENDIX XIX

REPORT OF THE DIRECTOR OF PHYSICAL
EDUCATION AND ATHLETICS

To the President of the University:

SIR: Complying with your request of May 11 I herewith submit my report for the academic year 1935-36.

BUILDINGS AND GROUNDS

The care of the properties of Cornell University Athletic Association was turned over to the University's Department of Buildings and Grounds early in September 1935. It was promptly determined to begin an extensive program of repair. This required a large expenditure which in most respects will be a non-recurring annual charge as the normal cost of maintenance will in future be substantially below this figure.

I have found the work of the Department of Buildings and Grounds effective, efficient, and satisfactory. That department also provides janitor service for all of our buildings so that now the athletic properties are kept in excellent condition of comfort, repair, and sanitation.

Note is made of the reconstruction of the swimming pool from funds appropriated for the purpose from the students' recreation fee charge.

Through the activities of Mr. William H. Forbes '06 of the Crew Committee, a campaign, approved by the Cornellian Council, for raising funds for the rehabilitation of crew properties has been successful to the extent that the old boat house has been put in first-class condition and a new launch house is being built this summer so that by the opening of college this fall, all of these properties will be in excellent condition, requiring thereafter very moderate annual expenditures for maintenance.

Generally, I consider the physical plant of the entire department in good condition and it may now be so kept with reasonable annual expenditures for maintenance.

FINANCES

In September 1935 the finances of the Cornell University Athletic Association were placed under the supervision of the Comptroller of the University.

As a result of small receipts from football and the extensive repair charges, a substantial deficit as of June 30, 1936 was forecasted and has been experienced. It is hoped that through the increased sale of season tickets in the fall of 1936 and a forecasted substantial increase in football revenue, that before the end of the calendar year a sufficient surplus will have been accumulated to enable us to balance the budget as of June 30, 1937.

The cost of, and revenue from, every sport is being carefully analyzed so that necessary steps may be taken to keep the difference between income and outlay, where sports are non-revenue producing, as small as possible. This also applies to the operation of the Johnny Parson Club, winter sports, and Beebe Lake swimming pool.

The Board of Athletic Policy has given approval to the sale of season tickets to the townspeople for the 1936-37 season. We hope through this to promote the interest and support of the townspeople in extra-curricular activities on the hill.

COACHING PERSONNEL

During the year it has been determined that in the best interest of the athletic situation certain changes in coaching personnel were indicated. These have been made after careful study of the respective situations, after securing the counsel and advice of various groups, having in all cases due regard for the equities of the coach in question.

As Mr. Berry is leaving the Athletic Association as of July 1, 1936, I take this occasion to record my appreciation of his thorough cooperation with me in taking over the work of the Athletic Association. I further record the fact that his work in building up the intercollegiate relations of Cornell has been most outstanding in character.

INTRAMURAL SPORTS

It is my plan, beginning September next, to begin the reorganization of intramural sports on a systematic scale that will lead to the placing of these activities on the highest possible plane of accessibility, effectiveness, and efficiency.

All of the coaches employed during the year just ending have been informed that they are subject to assignment to duties in this department. It is my belief that if any emphasis whatever is placed on collegiate sports, it is this department that warrants such emphasis.

PHYSICAL EDUCATION AND INSTRUCTION

During the year just ending, I have devoted little time to this department. It is my belief, however, that substantial improvement is indicated and beginning next fall my attention will be particularly directed toward this division.

STUDENT INTEREST

The undergraduates have appeared to respond to my plea for their confidence and support. They have been sympathetic and helpful, have appeared to appreciate the improvement in, and expansion of, facilities and have generally lent their cooperation.

ALUMNI

While some alumni are prone to criticize without regard to fact, many of them have been helpful in many ways and if, as time goes on, we can develop means for keeping them intelligently informed, and thus forestalling unwarranted criticism, we will find that the effectiveness of this body cannot be over-estimated.

FACULTY

I have been greatly pleased with, and stimulated by, the attitude of the faculty toward my undertakings and the fine spirit of helpfulness and cooperation in my efforts. While I have on all occasions expressed the belief that a sound, healthy body is a necessary complement to scholastic work, it is clear that the prime object of a student's coming to college is to secure his academic education.

Certainly with respect to those engaged in intercollegiate competition I feel it highly desirable to be kept fully informed of their scholarship standing. We have had many interviews along these lines with the students during the past year and I believe have been able to render them genuine assistance. It is my expectation that in due time it will be required that those who can, or do, not attain a certain desired standing in their classroom work will be dropped from the intercollegiate squads. By doing this I am sure that we can properly emphasize the fact that scholastic work is the thing of prime interest.

The Board of Athletic Policy and the Intercollegiate Advisory Council have functioned satisfactorily.

In closing, I express to you my appreciation of the confidence you have reposed in me in the first year of my undertaking and for the valuable counsel and advice which you have given me.

JAMES LYNNAH,

Director of Physical Education and Athletics.

APPENDIX XX

REPORT OF THE LIBRARIAN

To the President of the University:

SIR: I have the honor to submit the report of the Librarian of the University Library for the year beginning July 1, 1935 and ending June 30, 1936.

For a number of years each annual report of the Librarian has begun with a sad reiteration of the statement that the present library building had long since ceased to afford adequate housing for the University's main book collection. With a feeling of joyous gratitude, shared not only by all members of the library staff, but by faculty and students also, the Librarian is able to record the fact that a measure of relief is in sight. By the action of the Board of Trustees it was determined to carry out the plan for an extension of the present stack space by enclosing with two walls and a roof, the exterior right angle formed by the South and the West wing of the present library building. The space thus enclosed will hold nine decks or floors for book shelves, for a photostat room and storage space, and for a seminar room.

The present plans for the new book stacks promise shelf space for about 200,000 volumes. This is the equivalent of about one-third of the books now abnormally compressed into the present stack space. A normal redistribution of our present holdings would practically use up the new space. But even under these conditions the sensation of relief from unutterable restraint and bondage cannot fail to make the Librarian a more efficient part of the University's practical equipment. The new plan does not provide more space for the technical staff, which now works under great disadvantages. That the Trustees have seen fit to increase the present inadequate staff by two additional cataloguers and an unskilled "library helper" to be added in the coming year, is another source of satisfaction and an added reason for grateful appreciation. The Librarian ventures to repeat a statement made in his last report. An adequate provision for book space and work space required by a collection as large as ours, with facilities commensurate with the size and importance of the University, can be made only in a new, modern library building.

STAFF

During the year Mrs. Anneliese S. Caster, catalogue typist, resigned and was succeeded by Miss Virginia Seery. The Librarian records with regret the death on April 14, 1936 of Dr. Andrew C. White of Ithaca who had been the Assistant Librarian from 1889 until his retirement in 1923.

FACULTY RESEARCH ASSISTANT

The Trustees have decided to continue at the University's expense the position of Dr. Henry H. King as Faculty Research Assistant. Dr. King began his work as an experiment which had been suggested by Dr. Harlow Shapley, Director of the Harvard Observatory, and was financed for four years by the Carnegie Corporation.

FEDERAL EMERGENCY RELIEF STUDENT EMPLOYEES

As in the preceding year Federal Relief student employees, varying in number from twelve to fourteen, found work in the Library. They continued some of the projects begun last year. Their work consisted in covering unbound magazines, pamphlets and maps, lettering covers and signs, repairing torn maps, book pages, and torn book backs, sorting duplicate magazines and duplicate books, listing duplicate books, sorting and wrapping old newspapers, repacking and lettering the Library's collection of publications by the Faculty and Alumni, dusting books, and numerous other smaller tasks. An important single undertaking was the typing on cards of a duplicate of the card catalogue of books added to the Petrarch collection since the publication of the printed catalogue in 1916.

EXHIBITION

The Icelandic exhibit arranged by Professor Halldór Hermannsson was replaced by an exhibit of early American playbills from the collection bequeathed by Benno Loewy, which reached the Library in 1924. The exhibit includes bills from New York (1791-1835), Philadelphia (1822-1855), Baltimore (1795-1857), New Orleans (1829), Washington, D.C. (1863), Pittsburgh (1834), Saint Louis (1830-1839).

Just before the end of the year Professor William Strunk, Jr. of the Department of English, made it possible to exhibit in one show case a number of items connected with the production of a screen version of Shakespeare's *Romeo and Juliet*. Professor Strunk had been the "literary consultant" for this production to the firm which made the film.

ACCESSIONS

The total amount expended for books during the year was \$30,754.14. The total number of additions was 9,841. Miss Ingersoll, head of the Accessions Department, reports that 7,919 items were added to the general collection, the remainder going to special collections. Of the general acquisitions 4,403 were purchased and 3,521 were gifts.

	<i>Items Added</i>	<i>Present Extent</i>
General Library.....	7,919	662,133
Items removed 418		
Fiske Dante Collection.....	61	10,610
Fiske Petrarch Collection.....	22	4,466
Fiske Icelandic Collection.....	196	20,393
Wason Chinese Collection.....	637	21,171
Wordsworth Collection (Gift of Mr. Victor Emanuel).....	5	2,551
Cornell University theses.....	582	11,766
Philological Seminary Collection.....	6	1,148
Philosophical Seminary Collection.....	1	996
German Seminary Collection.....		769
French Seminary Collection.....		24
Latin and Greek Seminary Collection.....		326
American History Seminary Collection.....	2	665
Manuscripts.....	9	949
Cornell University maps and plans.....		203
Maps.....	1	1,153
U. S. Coast Survey Charts.....		950
U. S. Geological Survey topographical sheets.....	91	3,879
U. S. Geological Survey atlases.....		216
British Geological Survey maps.....		600
College of Architecture Library.....	120	2,590
Barnes Hall Library.....	37	3,650
Chemistry Library (special).....	13	377
Comstock Memorial Library.....	19	1,594
Economics Laboratory Collection.....		340
Entomological Laboratory Collection.....		2,403
Forestry Library.....		1,881
Flower Veterinary Library.....	353	11,091
Goldwin Smith Hall Library.....	34	3,539
Gray Memorial Library (Electrical Engineering).....	16	797
Hart Memorial Library (English Literature).....		4,758
Kuichling Engineering Library.....	9	2,218
Rockefeller Hall Library (Physics).....		1,189
Van Cleef Memorial Library (Medicine).....	126	4,301
Total including manuscripts and maps.....	9,841	785,278

New York State College of Agriculture Library.....	3,547	85,083
New York State College of Home Economics Library.....	652	6,668
Law Library.....	2,943	78,652
	<hr/>	<hr/>
Total on entire campus.....	16,443	956,099

Of accessions to the endowed collections the following are worthy of special mention. The Fiske Petrarch Collection was enriched by the addition of one of those elusive works which have managed to escape the eyes of collectors and bibliographers, because dealers do not realize the exact nature of the work they offer for sale. François de Grenaille's French translation of Petrarch's "De remediis utriusque fortunæ" has hitherto been known only in its second edition of 1644, although a first edition of 1641 was vouched for by a "privilege" dated May 28, 1641 and an "Achevé d'imprimer" dated October 5, 1641 and repeated in the 1644 edition. The first recorded copy of the actual first edition is the one secured by Professor Hamilton, Curator of the Fiske Petrarch Collection, from a dealer's catalogue which offered it as François de Grenaille's "Le sage resolu contre l'adversité."

Among the acquisitions of the Icelandic Collection (Professor Halldór Hermannsson, Curator) is a fine facsimile edition of one of the oldest Icelandic manuscripts in existence, a twelfth century codex, now in Stockholm, of a "Book of Homilies."

CATALOGUE DIVISION

Miss Speed, Head of the Catalogue Division, reports the following figures:

Volumes and pamphlets catalogued.....	12,565
Maps catalogued.....	94
Manuscripts catalogued.....	6
Titles added to catalogue.....	6,771
Typewritten cards added.....	12,055
Printed cards added.....	11,263
Cards added to Library of Congress Depository Catalogue.....	55,444
Additions to cards.....	5,649
Volumes recatalogued.....	207
Cards corrected or dated.....	3,413

CLASSIFICATION AND SHELF DIVISION

The figures reported by Mr. De Grassi for this division are:

Books classified.....	8,866
Documents.....	267
Manuscripts.....	11
Maps.....	91
Theses.....	291
Books reclassified.....	3
Presses moved.....	455

PERIODICALS DIVISION

Miss Leland, Head of the Periodicals Division, reports:

Periodicals currently received	
By subscription.....	1,259
By gift and exchange.....	1,274
	<hr/>
Total.....	2,533

Number of volumes on open shelves.....	3,574
Current periodicals on open shelves.....	661
Issued for brief home use.....	588
Periodical volumes bound during the year.....	2,108

The list of publications of Faculty members, appended to the President's Report was edited as usual by Miss Leland.

READERS DIVISION

Mr. Willis, Associate Librarian, who is in charge of the Reading Room and of Inter-Library Loans provides the following figures:

Days open to the public.....	340
Registered borrowers	
Faculty.....	1,274
Students	
College year.....	5,697
Summer Session.....	288
Recorded use	
Reading Room (number of books).....	94,861
Seminary Rooms.....	3,524
Laboratories and Departments.....	2,773
Home use (including 11,039 "seven-day" loans).....	48,383

INTER-LIBRARY LOANS

Loaned to other libraries (volumes).....	812
Borrowed from other libraries.....	255

The number of university, college, government and industrial libraries that borrowed from Cornell was 153. They included:

Rochester University.....	82	Michigan University.....	17
Syracuse University.....	46	Eastman Kodak Company.....	15
Buffalo University.....	32	Columbia University.....	15
Pennsylvania State College.....	32	Yale University.....	13
Corning Glass Works.....	29	Northwestern University.....	13
Wells College.....	24	Harvard University.....	13
U. S. Department of Agriculture	22	Elmira College.....	13
North Dakota University.....	20	California University.....	13
Iowa State University.....	19	Smith College.....	10

Cornell borrowed books from forty-one other libraries. They included:

Library of Congress.....	77	New York State Library.....	9
Harvard (all libraries).....	24	Michigan University.....	8
Rochester (all colleges).....	23	Union Theological Seminary.....	7
Columbia.....	22	U. S. Geological Survey.....	6
Princeton.....	14	Chicago University.....	5
Yale.....	13	U. S. Surgeon General.....	5

GIFTS

The Library counts itself fortunate in being able to record an actual increase in endowment by several individual gifts this year. To the several donors the Librarian here makes a public acknowledgment of the debt of gratitude which we owe to these benefactors. Mr. William F. E. Gurley of the Class of 1877, a staunch and faithful friend and donor of long standing, established an endowment fund of \$1,000 to be known as "The Anna S. Gurley Memorial Book Fund." The income is to be used for the purchase of books in the field of the drama. In addition, Mr. and Mrs. Gurley have continued the long succession of contributions of books

of all kinds, with especial emphasis on Shakespeareana. Mrs. Miriam S. Weyl established a fund of \$1,000, known as "The Weyl Book Fund" in memory of her son James Saller Weyl of the Class of 1929. The income is for the purchase and care of books in the University Library.

The friends of Emeritus Professor George Lincoln Burr presented to the University a "Burr Memorial Fund" of \$1,300. The income is being used under the direction of Professor Burr, for such books as he would like to see added to the Library.

Of special significance, in that it comes from within the University and not from a friendly donor not connected with the University, is the fund of \$2,000 turned over for the use of the Library by the Department of Economics. The fund is the result of an accumulation of students' fees and the income is to be used for books of interest to the Department.

For a second time the Class of 1899 made to the Library an outright gift of \$600, the income of a Class Fund which is to be eventually presented to the University. The choice of the Library as the beneficiary of the interest accruing in the meantime is another of those signs of recent interest taken by Alumni in the fortunes of this part of the University. In its immediate benefits it is second only to the annual grant of \$5,000 made by the Trustees from Alumni Contributions at the request of the Cornellian Council which, in the past year, for the fourth time has protected our Library from the catastrophic setback which would have resulted from the shrinkage of our endowment income. Contributions in cash from single individuals, like that received from Mr. Elmer M. Johnson of Ithaca, merit a specially grateful comment.

To the government agencies, the various foundations, the societies, the editors and publishers of journals and the corporations who have so generously sent us their publications we offer our hearty thanks. The numerous faculty members who have in many and various ways added to our collections are not the least significant benefactors in our list.

Of individual donors of books the following is a mere random selection from the many who have earned our gratitude.

Mr. John R. Armstrong of Rochester, N. Y. presented us with two folio volumes of William Maitland's "The History and survey of London" (1756). Captain S. A. Ashe of Raleigh, N. C. sent his "A Southern view of the invasion of the Southern States and the war of 1861-1865." Mr. Yakichi Ataka of Osaka, Japan donated two recent books on Buddhism by Deisetz Tertaro Suzuki. The late Mrs. Frederick Bedell gave us 237 miscellaneous volumes. Mr. J. T. Littleton of the Corning Glass Works offered "The electrical properties of glass" by Littleton and Morey (1933). From Miss Cornelia Baker Cornish of Mansfield, Pa. we received her "The geography and history of Cortland County, N. Y." (1935). Dr. N. M. Crouse of Ithaca donated Volume 16 of the Canadian Historical Review and Volume 41 of the Bulletin des recherches historiques. Dr. Henry P. De Forest of New York sent 250 volumes from his own library as well as some 700 pamphlets, magazines and reprints, mostly on medicine and finger-printing; and again, as in past years, a number of journals from the Library of the Cornell Club of New York, which are not on the University Library's list. Ambassador Walter E. Edge gave us his "Speeches and public statements" (1933). From Mr. R. I. Edwards of New York came eleven volumes of the "Writings of H. D. Thoreau", seven volumes of J. G. Whittier, Philip Hone's "Diary" (1910), and R. A. Abbot's "Francis Bacon" (1935). Mr. Victor Emanuel of New York enriched the Library's Wordsworth Collection by the gift of two autograph letters of William Wordsworth and a poem of eighty lines in the poet's handwriting. Professor Paul D. Evans of the University of Vermont has added, as in past years, to our files of Welsh periodicals printed in New York State. Professor Graydon L. Freeman, of Chicago University, presented his "Diurnal variations in performance and energy expenditure" (1935) and his "The child and his picture book" (1935). Mr. N. J. Galucci of Ithaca donated Caroline F. E. Spurgeon's "Shakespeare's imagery" (1935). Mr. Fairfax Harrison of Washington, D. C. donated two volumes of "Early American turf stock, 1730-1830" (1934). Mrs. Mabel M. Hebel gave,

in memory of her husband, the late Professor William J. Hebel, ten valuable volumes of seventeenth century English literature. The Abbé Victor Leroquais of Paris, France, sent us his "Un livre d'heures" (1935). From Mr. Lucius N. Littauer of New York came six volumes of the selected works of Hyman G. Enelow. To Mr. Robert P. Ludlum of Ithaca we owe ten volumes of the "Documents relating to the colonial history of New York State". Mr. James McCall of Bath, N. Y., donated five miscellaneous volumes. From Mrs. Edward Lee McClain we received three large volumes of "The Washington ancestry and records of the McClain, Johnson and forty other colonial American families" (1932). Mr. Amos B. McNairy of Cleveland, Ohio, sent us "An Austin Dobson letter book" and the Rowfant Club Yearbook (1935). From Mr. Frederick J. Nettlefold of London, Eng., came C. Reginald Grundy's luxurious "Catalogue of the pictures and drawings in the collection of Frederick John Nettlefold" vol. 2, (D-H). Professor Wallace Notestein, Professor Frances H. Relf, and Mr. Hartley Simpson contributed the seven volumes of their "Commons debates, 1621" (1935). From Mr. Carroll H. Owen we received the manuscript diary for 1875 of a Cornell student, W. P. Sturges. The Rev. E. L. Pennington of Ocala, Fla., gave us seven photographic reproductions of 18th century and early 19th century documents relating to the Jones family of Savannah, Ga., and several of his own writings. Mr. William Hazlitt Smith of Ithaca donated fourteen volumes of American local histories. Dr. Vilhjalmur Stefansson presented the Library with "The Markland sagas" by Jones and Raddle (1934). The Hon. William Sulzer added several filing boxes of personal correspondence to the Sulzer papers already in our Library, and gave us eighty miscellaneous volumes. Mr. Z. D. Sung of Shanghai, China, sent his "Symbols of Yi King" (1934) and "Text of Yi King" (1935). Mr. and Mrs. R. H. Treman of Ithaca presented us with the edition-de-luxe of Peterkin and Ulman's "Roll, Jordan, Roll". Mr. John P. Young of Ithaca continued his many earlier donations with Carl Christensen's "Index filicum, supplementum tertium, 1917-1933".

OTTO KINKELDEY,
Librarian.

APPENDIX XXI

PUBLICATIONS 1935-36

The University Library keeps alphabetically arranged the publications of University Officers, so far as received at the Library, and for this purpose copies are solicited. Omissions in the following list are due to incomplete information.

- Cornell University.** Official publication. v. 27, 1935-36.
- Cornell University.** Agricultural Experiment Station. Bulletin. Ithaca, N. Y. No. 634-642, 644-645, 648-51. 1935-36.
- Memoir. Ithaca, N. Y. No. 181-189, 1935-36.
- Cornell University.** College of Architecture. Report of the Dean. 1934-35. *Cornell University. Off. pub. v. 27, no. 4. App. XI. 1935.*
- Cornell University.** College of Arts and Sciences. Report of the Dean. 1934-35. *Ibid. v. 27, no. 4. App. III. 1935.*
- Cornell University.** College of Engineering. Report of the Dean. 1934-35. *Ibid. v. 27, no. 4. App. XII. 1935.*
- Cornell University.** Director of Admissions. Report. 1934-35. *Ibid. v. 27, no. 4. App. XVI. 1935.*
- Cornell University.** Law School. Report of the Dean. 1934-35. *Ibid. v. 27, no. 4. App. IV. 1935.*
- Cornell University.** Dean of Women. Report. 1934-35. *Ibid. v. 27, no. 4. App. XV. 1935.*
- Cornell University.** Graduate School. Report of the Dean. 1934-35. *Ibid. v. 27, no. 4. App. II. 1935.*
- Cornell University.** Graduate School of Education. Report of the Director. 1934-35. *Ibid. v. 27, no. 4. App. XIII. 1935.*
- Cornell University.** Library. Report of the Librarian. 1934-35. *Ibid. v. 27, no. 4. App. XVIII. 1935.*
- Publications (by Cornell University and its officers). 1934-35. *Ibid. v. 27, no. 4. App. XIX. 1935.*
- Cornell University.** Medical College. Report of the Associate Dean of the Medical College. 1934-35. *Ibid. v. 27, no. 4. App. V. 1935.*
- Cornell University.** Medical College, Ithaca Division. Report of the Secretary. 1934-35. *Ibid. v. 27, no. 4. App. VI. 1935.*
- Cornell University.** President. Annual Report. 1934-35. *Ibid. v. 27, no. 4. 1935.*
- Cornell University.** Registrar. Report. 1934-35. *Ibid. v. 27, no. 4. App. XVII. 1935.*
- Cornell University.** Summer Session. Report of the Administrative Board. 1934. *Ibid. v. 27, no. 4. App. XIV. 1935.*
- Cornell University.** University Faculty. Report of the Dean. 1934-35. *Ibid. v. 27, no. 4. App. I. 1935.*
- New York State College of Agriculture.** Report of the Dean for the year 1934-35. *Ibid. v. 27, no. 4. App. VIII. 1935.*
- New York State College of Home Economics.** Report of the Dean. 1934-35. *Ibid. v. 27, no. 4. App. X. 1935.*
- New York State Veterinary College.** Report of the Dean. 1934-35. *Ibid. v. 27, no. 4. App. VII. 1935.*
- New York State Agricultural Experiment Station.** Report of the Dean. 1934-35. *Ibid. v. 27, no. 4. App. IX. 1935.*
- New York State Agricultural Experiment Station.** Geneva, N. Y. Bulletin 653-664. 1935-36.
- Circular 159-162. 1935-36.
- Technical bulletin. 229-238. 1935-36.
- Areopagus.** Ithaca, N. Y. v. 4. 1935-36.
- Cornell alumni news.** Ithaca, N. Y. v. 38. 1935-36.
- Cornell countryman.** Ithaca, N. Y. v. 33. Oct., 1935-June, 1936.

- Cornell daily sun.** Ithaca, N. Y. v. 56. 1935-36.
- Cornell engineer.** Ithaca, N. Y. v. 1. Oct., 1935-May, 1936.
- Cornell extension bulletin.** Ithaca, N. Y. No. 328-345, 347-351, 353-354. 1935-36.
- Cornell junior extension bulletin.** Ithaca, N. Y. No. 50-56. 1935-36.
- Cornell law quarterly:** published by the faculty and students of the Cornell Law School. Ithaca, N. Y. v. 21. December, 1935-June, 1936.
- Cornell rural school leaflet.** Ithaca, N. Y. v. 29. September, 1935-March, 1936.
- Cornell Society of Hotelmen.** Bulletin. Ithaca, N. Y. v. 8, no. 3-v. 9, no. 2. 1935-36.
- Cornell veterinarian.** Ithaca, N. Y. v. 25. 1935.
- Cornellian.** Ithaca, N. Y. v. 68. 1936.
- Cornellian Council bulletin.** Ithaca, N. Y. v. 21. 1935-36.
- Farm economics.** Ithaca, N. Y. No. 91-96. 1935-36.
- Hotel administration.** Ithaca, N. Y. No. 7, 1935.
- Islandica.** Ithaca, N. Y. v. 25. 1936.
- Philosophical review.** New York, Longmans, Green and Co. v. 45. 1936.
- Widow.** Ithaca, N. Y. v. 42. 1935-36.
- Adelmann, H. B.** Studies on the somites of *Amblystoma punctatum*. III. The results of the replacement of the second to fourth by more caudal somites, and the cephalo-caudal reversal of the second to fourth. H. B. Adelmann and B. L. Maclean. *Journ. exp. zool.* v. 72 (1935): 101-125.
- Anderson, W. A.** Rural youth: Activities, interest, and problems. I. Married young men and women, 15 to 29 years of age. *Cornell Univ. Agric. Exp. Sta. Bull.* 649 (May, 1936): 53 p.
- Rural sociology in agricultural colleges. *Rural Amer.* v. 14, no. 2 (Feb., 1936): 23 p.
- Andrews, A. L.** *Lejeunea ovata* new to Switzerland. *Bryologist* v. 38 (1935): 28-29.
- Family Bryaceae. In Grout, A. J. *Moss flora of North America north of Mexico.* Vol. 2, part 3. Newfane, Vt., the author (1935): 184-210.
- Andrus, W. D.** Tumors and cysts of the mediastinum. W. D. Andrus and G. J. Heuer. *Christopher, Frederick. Textbook of surgery.* Phila., W. B. Saunders Co. (1936): 1048-1054.
- Angevine, D. M.** Abstract: The pituitary gland in anencephaly. *Arch. path.* v. 21 (1936): 411.
- Armstrong, P. B.** The rôle of the nerves in the action of acetylcholine on the embryonic heart. *Journ. physiol.* v. 84 (1935): 20-32.
- Asdell, S. A.** Inheritance of short ears in goats. *6th Internat. Congr. Genetics, Ithaca, N. Y., Proc. v. 1* (1932): 391.
- The effect of retarded growth upon the sexual development of rats. S. A. Asdell, and M. F. Crowell. *Journ. nutrit.* v. 10 (1935): 13-24.
- Some practical applications of endocrinology to animal husbandry. *Amer. Soc. Animal Production. Proc.* (1935): 235-237.
- Bacher, R. F.** Nuclear physics. A. Stationary states of nuclei. H. A. Bethe and R. F. Bacher. *Revs. mod. physics* v. 8 (1936): 82-230.
- Bancroft, W. D.** Solute as liquid. *Science* v. 82 (1935): 388.
- Frank Kenneth Cameron. *Indus. & eng. chem. News ed.* v. 13 (1935): 425.
- Energy levels in electrochemistry I. W. D. Bancroft and J. E. Magoffin. *Amer. Chem. Soc. Journ.* v. 57 (1935): 256.
- The oxide film on passive iron. W. D. Bancroft and J. D. Porter. *Journ. phys. chem.* v. 40 (1936): 37.
- The phase rule in colloid chemistry. *Ibid.* v. 40 (1936): 43.
- Papers from the laboratory of W. D. Bancroft: Calkin. X-ray spectrography of alkali celluloses. *Journ. phys. chem.* v. 40 (1936): 27; Hoagland and Rutzler. Adsorption of diatomaceous filters. *Ibid.* v. 40 (1936): 215.
- Bangs, J. R., jr.** Introducing accounting. J. R. Bangs, jr., and others. *Cornell eng.* v. 1 (Feb., 1936): 110-113, 123.

- Intimate talks with Jack Moakley. *Cornell alumni news* v. 38, no. 15 (Jan., 23, 1936): 239-40.
- Barnard, W. N.** Heat-power engineering, Pt. 2. 3d ed., W. N. Barnard and others. N. Y., J. Wiley & Sons, Inc., 1935. xiii, 871 p.
- Barnes, W. C.** Effects of some environmental factors on growth and color of carrots. *Cornell Univ. Agric. Exp. Sta. Mem.* 186 (1936): 36 p.
- Barron, J. H.** Conservation program gives chance to build pastures. *Dairy-men's League news*, v. 20, no. 15 (1936): 3.
- Baumgartner, Leona.** A bibliography of the poem Syphilis by Girolamo Fracastoro of Verona. Leona Baumgartner and John Fulton. New Haven, Yale University Press, 1935. 154 p.
- Edwin Klebs. A centennial note. *New Engl. journ. med.* v. 213 (1935): 60-63.
- Lipoid pneumonia and conditions that may favor its occurrence. Leona Baumgartner and Murray Angevine. *Amer. journ. med. sciences* v. 192 (1936): 252-257.
- Becker, C. L.** New liberties for old. *Journ. soc. philos.* v. 1 (Jan., 1936): 101.
- Progress and power. Three lectures delivered at Stanford University on the Raymond Fred West Memorial Foundation, April, 1935. Stanford University, University Press, 1936. xi, 102 p.
- *Reviews:* Soderhjelm. Marie Antoinette et Barnave. *Amer. hist. revu.* v. 41 (Oct., 1935): 135; Doob. Propaganda. *Nation*, v. 141 (Dec. 1, 1935): 681.
- Bell, R. S.** How to get early chrysanthemums. *Florist exch.* v. 82, no. 19 (May 12, 1934): 9.
- Cheese cloth and asters. *Gardeners' chron.* v. 38, no. 5 (1934): 139.
- Bentley, Madison.** Conjunctive research in the sciences of life. *Amer. journ. psych.* v. 48 (1936): 512-519.
- A new journal for the social sciences. *Ibid.* v. 48 (1936): 174.
- *Reviews:* Hutton. The single woman and her emotional problems. *Ibid.* v. 48, no. 3 (1936): 542; Oliver. The ordinary difficulties of everyday people. *Ibid.* v. 48, no. 3 (1936): 549-50.
- Bethe, H. A.** Statistical theory of superlattices. *Royal Soc., London. Proc. Ser. A*, v. 150 (1935): 552-575.
- Memorandum on cosmic rays. *Carnegie Inst., Wash. Yr. bk.* v. 34 (1934-35): 333-335.
- Method for the determination of the selective absorption regions of slow neutrons. D. F. Weekes and others. *Phys. revu.* v. 49 (1936): 471-473.
- Evidence for neutron-proton shells from nuclear masses. *Ibid.* v. 49 (1936): 869-870.
- Width of neutron resonance levels. *Ibid.* v. 49 (1936): 888.
- Nuclear physics. A. Stationary states of nuclei. H. A. Bethe and R. F. Bacher. *Revus. mod. physics* v. 8 (1936): 82-229.
- Betten, Cornelius.** Report of the Dean of the University Faculty, 1934-35. *Cornell Univ. Off. pub.* v. 27, no. 4. *App.* I, 1935.
- Birnbaum, G. L.** Pneumothorax therapy in experimental lobar pneumonia. *Arch. intern. med.*, v. 57 (Mar., 1936): 610-629.
- Bishop, Morris.** Marie-Antoinette, Axel Persen, and Eliza Hunter. *New Yorker*, (July 20, 1935): 21-24.
- Parson Weems: virtue's recruiting-serjeant. *Ibid.* (Feb. 22, 1936): 20-25.
- Verse reprinted in the following anthologies: *Gordon, D. C., and others. Today's literature.* N. Y., *Amer. Bk. Co.*, (1935); *Kronenberger, Louis, ed., An anthology of light verse.* N. Y., *Modern Library* (1935); *New Yorker book of verse.* N. Y., *Harcourt, Brace & Co.* (1935).
- Black, L. M.** Some insect and host relationships of the potato yellow dwarf virus. *Phytopath.* v. 26 (1936): 87.
- Blackmore, Beulah.** The purchasing of sheets and pillow cases. *Cornell ext. bull.* 333 (Sep., 1935): 32 p.
- Blanton, Smiley.** For stutterers. Smiley Blanton and M. G. Blanton. N. Y., D. Appleton-Century Co., 1936. xi, 191 p.

- Blau, N. F.** The determination of thyroxine in thyroid substance. *Journ. biol. chem.* v. 110 (1935): 351-363.
- Bond, M. C.** Farmers cooperative public markets. *Amer. Inst. Cooperation. Amer. cooperation* (1935): 403-412.
- The New York State 1936 agricultural outlook. M. C. Bond and others. *Cornell ext. bull.* 340. (Jan., 1936): 16 p.
- Boothroyd, S. L.** Stars and galaxies. *Book of popular science. Ann. suppl.* (1935) chapter 45: 45-54.
- Botsford, H. E.** Relation of candled appearance to broken-out condition of eggs. *Amer. creamery & poultry prod. rev.* v. 81, no. 7 (Dec. 18, 1935): 248-250.
- Boyle, J. E.** The money doctors confer. *Barron's weekly* v. 15, no. 31 (Aug. 5, 1935): 11.
- A costly wheat experiment. *Ibid.* v. 15, no. 36 (Sep. 9, 1935): 9.
- The AAA: An epitaph. *Atlantic mo.* v. 157, no. 2 (Feb., 1936): 217-225.
- Reviews: Cauley. Agrarianism. *Weltwirtschaft. Arch.* 42 Bd., Heft 2 (Sep. 1935): 148. Davis. Wheat and the AAA. *Northwest. miller* v. 184, no. 1 (Oct. 9, 1935): 111, 120.
- Boynton, Damon.** The influence of mulching apple trees on the moisture-holding capacity of the topsoil. Damon Boynton and L. P. Batjer. *Amer. Soc. Hort. Science. Proc.* v. 33 (1936): 92-94.
- Bradford, E. F.** Report of the Director of Admissions, showing admissions for September, 1934. *Cornell Univ. Off. pub.* v. 27, no. 4. App. XVI. 1935.
- Report of the Registrar, 1934-35. *Ibid.* v. 27, no. 4. App. XVII. 1935.
- Brahdy, M. B.** Respiratory failure in acute epidemic poliomyelitis. Late results and complications. M. B. Brahdy and Maurice Lenarsky. *Journ. pediatrics* v. 8 (Apr., 1936): 420.
- Brase, K. D.** What yield of rooted shoots may be expected from mother plantations of malling apple and quince rootstocks? H. B. Tukey and K. D. Brase. *Amer. Soc. Hort. Science. Proc.* v. 33 (1936): 338-345.
- Random notes on fruit tree rootstocks and plant propagation, II. H. B. Tukey and K. D. Brase. *N. Y. St. Agric. Exp. Sta. Geneva, N. Y. Bull.* 657 (Oct., 1935): 26 p.
- Breed, R. S.** Progress in standardizing laboratory procedures. *Intern. Assoc. Dairy & Milk Inspectors. 24th ann. rept.* (Oct., 1935): 109-115.
- The status of the generic term *Bacterium* Ehrenberg 1828. R. S. Breed and H. J. Conn. *Journ. bact.* v. 31, no. 5 (1936): 517-518.
- Farming along the Mediterranean Sea. IV. Dairy husbandry in the Near East. *Farm research*, v. 1, no. 4, (Jul., 1935): 5-6.
- New cheese project started. C. D. Kelly and R. S. Breed. *Ibid.* v. 2, no. 3 (Apr., 1936): 1 & 11.
- Comparative fairness of single can and weigh vat samples for bacterial counts used as basis of premium payment to grade a dairymen. M. W. Yale and R. S. Breed. *Intern. Assoc. Milk Dealers. Proc. 28th ann. conv.*, (Oct. 1935).
- The standardization of laboratory methods useful in controlling the quality of dairy products. *Canadian pub. health journ.* (May, 1936): 222-225.
- Standard methods for the examination of dairy and food products. *Amer. Pub. Health Assoc. Yr. bk.*, (1935-36): 111.
- Milk pasteurization studies. *Ibid.* (1935-36): 103.
- Briggs, H. W.** Review. Duranty. Europe-War or peace. *Amer. polit. science rev.* v. 29 (1935): 531-2.
- Broughton, L. N.** *Associate editor.* Annual bibliography of English language and literature, v. 15, 1934. Cambridge, England, Modern Humanities Research Association, 1935.
- Bruce, W. F.** Some relationships between molecular structure, pH and the ability of bacteria to grow in solutions of salts of organic acids. *Amer. Chem. Soc. Journ.* v. 57 (1935): 1495-1504.
- The preparation of platinum oxide for catalytic hydrogenations. *Ibid.* v. 58 (1936): 687-688.

- A study of isocitric acid from blackberries. *Ibid.* v. 57 (1935): 1725-1729.
- The analysis of small volumes of gas by means of the usual microanalytical apparatus. *Mikrochemie v. 18* (1935): 261-265.
- Abstracts: About 150 abstracts in organic, biological and general chemistry. *Chem. abstr.* v. 29 & v. 30 (1935 & 1936); also 10 abstracts. *Biol. abstr.* v. 9 & 10 (1935 & 1936).
- Brunett, E. L.** Poultry diseases. *Cornell ext. bull.* 337 (Nov., 1935): 72 p.
- Buckstein, Jacob.** Food, fitness and figure. N. Y., Emerson Books Inc., 1936. 252 p.
- Burdick, C. K.** Constitutional aspects of the New Deal in the United States. *Canadian bar revw.* v. 13 (1935): 699-719.
- Report of the Dean of the Law School, 1934-35. *Cornell Univ. Off. pub.* v. 27, no. 4. App. IV. 1935.
- Burford, M. G.** Accurate separation of precipitated mercuric sulfide and sulfur in the gravimetric determination of mercury. E. R. Caley and M. G. Burford. *Indust. & eng. chem. Analyt. ed.* v. 8 (1936): 43.
- Detection and separation of difficultly soluble compounds by concentrated hydriodic acid. E. R. Caley and M. G. Burford. *Ibid.* v. 8 (1936): 63-67.
- Separation of stannic oxide from various oxides by ignition with ammonium iodide: Application to analytical purification of ignited stannic oxide. E. R. Caley and M. G. Burford. *Ibid.* v. 8 (1936): 114-118.
- Butcher, F. G.** A review of some current research in entomological potato problems. Henry Menusan, jr., and F. G. Butcher. *Amer. potato journ.* v. 13 (1936): 64-70.
- Butt, F. H.** The early embryological development of the parthenogenetic alfalfa snout beetle, *Brachyrhinus Ligustici* L. *Ent. Soc. Amer. Ann.* v. 29, no. 1 (Mar., 1936): 1-13.
- Butterworth, J. E.** Report of the Director of the Graduate School of Education, 1934-35. *Cornell Univ. Off. pub.* v. 27, no. 4. App. XIII. 1935.
- Caplan, Harry.** Mediaeval *Artes Praedicandi*: A supplementary hand-list. *Cornell studies class. philol.* v. 25 (1936): 36 p.
- Review. Levy. Der Sabbath in England. *Mod. lang. notes* v. 50 (1935): 544-5.
- Carruth, L. A.** The problem of corn ear worm control. *Nassau Co. Farm & Home Bur. news* v. 21, no. 8 (1935): 1.
- Suggestions for controlling the corn ear worm in Nassau County. *Ibid.* v. 22, no. 5 (1936): 1.
- Corn ear worms from the South. *Ibid.* v. 22, no. 6 (1936): 9.
- Suggestions for controlling the corn ear worm on Long Island. *Suffolk Co. Farm Bureau news* v. 20, no. 6 (1936): 10.
- Experiments for the control of larvae of *Heliothis obsoleta* on western Long Island during 1935. *Journ. econ. ent.* v. 29 (1936): 205-209.
- Control of corn ear worm sought in tests of "Cellophane" by New York experimenter. *E. I. Du Pont de Nemours & Co. Agric. news letter* v. 4 (1936): 52-54.
- Carty, J. R.** A multiple x-ray therapy cone for official and small field work. J. R. Carty and E. M. Claiborne. *Radiology* v. 26 (1936): 104-105.
- Some essential considerations of the technique of gastrointestinal radiography. J. R. Carty and Venita Merrill. *Ibid.* v. 26 (1936): 531-534.
- Soft tissue roentgenography; anatomical, technical and pathological considerations. *Amer. journ. roentgenol. & radium therapy* v. 35 (1936): 474-484.
- Carver, W. B.** Editor-in-chief. American mathematical monthly, 1935-36.
- Catherwood, M. P.** Rural government in New York. *Cornell ext. bull.* 331 (1935): 39 p.
- Studies of local government as concerns farm taxation. *Journ. farm econ.* v. 17, no. 4 (Nov., 1935): 682-701.
- Trends in town taxes in New York. *Farm econ.* no. 93 (Feb., 1936): 2275-77.
- Cattell, McKeen.** Changes in the efficiency of muscular contraction under pressure. *Journ. cell. & comp. physiol.* v. 6 (1935): 277-290.

- Action potentials during high and low frequency stimulation of medullated nerve. McKen Cattell and H. G. Grundfest. *Science* v. 81 (1935): 645-646.
- On the site of action of acetylcholine and its significance. McKen Cattell and H. G. Wolff. *Ibid.* v. 82 (1935): 106-107.
- The Fifteenth International Congress of Physiology. A. V. Hill and McKen Cattell. *Ibid.* v. 82 (1935): 240-244.
- The influence of temperature on the recovery heat-production of mammalian muscle. McKen Cattell and Ephraim Shorr. *Amer. journ. physiol.* v. 113 (1935): 26.
- Some effects of hydrostatic pressure on nerve action potentials. H. G. Grundfest and McKen Cattell. *Ibid.* v. 113 (1935): 56-57.
- *Responsible editor.* Saslow. Recovery heat production of caffeinized frog muscles. *Ibid.* v. 116 (1936): 137; Saslow. Delayed heat production of caffeinized frog muscles. *Journ. cell. & comp. physiol.* v. 8 (1936): 89-99.
- Cecil, R. L.** Malarial therapy in rheumatoid arthritis. R. L. Cecil and others. *Amer. Med. Assoc. Journ.* v. 105 (1935): 1161-1164.
- Nonspecific protein therapy. *Ibid.* v. 105 (1935): 1846-1854.
- A campaign to reduce the death rate of pneumonia in New York State. *N. Y. St. journ. med.* v. 35, no. 22 (1935): 1123-29.
- Pneumococcus type III in pneumonia: An analysis of 500 cases. R. L. Cecil and others. *Amer. journ. med. sciences* v. 191 (1936): 305.
- Chambers, W. H.** Carbohydrate metabolism in the hypophysectomized dog. W. H. Chambers and others. *Amer. journ. physiol.* v. 113 (1935): 26-27.
- Changes in the metabolism of protein and carbohydrate during prolonged fasting. W. H. Chambers, and others. *Ibid.* v. 116 (1936): 26-27.
- *Introduction.* Barker. Determination of acetone in the expired air. *Ibid.* v. 116 (1936): 5-6.
- *Responsible editor.* Barker. Effects of increased metabolism on the ketone excretion of the depancreatized dog. *Journ. nutrit.* v. 11 (1936): 13.
- Childers, N. F.** The influence of water deficiency on photosynthesis and transpiration in apple leaves. A. J. Heinicke and N. F. Childers. *Amer. Soc. Hort. Science. Proc.* v. 33 (1935): 155-159.
- The photosynthesis, transpiration, and stomata of apple leaves as affected by certain nutrient deficiencies. N. F. Childers and F. F. Cowart. *Ibid.* v. 33 (1935): 160-163.
- Some effects of sprays on the growth and transpiration of tomatoes. *Ibid.* v. 33 (1935): 532-535.
- Chupp, Charles.** Fungicides. *Garden dictionary.* N. Y., Houghton Mifflin Co. (1936): 278-279.
- Plant diseases. *Ibid.* (1936): 617-621.
- Damping-off. *Ibid.* (1936): 199.
- Potato diseases and their control. M. F. Barrus and Charles Chupp. *Cornell ext. bull.* 135, rev. (Mar., 1936): 127 p.
- Church, R. W.** On Dr. Ewing's neglect of Bradley's Theory of internal relations. *Journ. philos.* v. 32, no. 10 (1935): 264-273.
- Hume's Theory of the understanding. London, Allen & Unwin Ltd., 1935. 238 p.
- Clark, A. W.** Rates of solution and movement of different fertilizers in the soil and the effects of the fertilizers on the germination and root development of beans. C. B. Sayre and A. W. Clark. *N. Y. St. Agric. Exp. Sta., Geneva, N. Y. Tech. bull.* 231 (Aug., 1935): 67 p.
- A new reagent for potassium. I. Qualitative. *Indus. & eng. chem. analyt. ed.* v. 8, no. 3 (1936): 209-210.
- Cobb, C. B. P.** Elimination diets for children. *Amer. journ. dis. childr.* v. 50 (Jul., 1935): 187.
- Collison, R. C.** Lysimeter investigations. IV. Water movement, soil temperatures, and root activity under apple trees. *N. Y. St. Agric. Exp. Sta., Geneva, N. Y. Tech. bull.* 237 (Oct., 1935): 31 p.
- Fertilizer experiments in the Morganthau orchard: Six years' results with

- nineteen treatments. R. C. Collison and L. C. Anderson. *N. Y. St. Agric. Exp. Sta., Geneva, N. Y. Bull.* 661 (Jan., 1936): 32 p.
- Conant, L. C.** Abstracts: A new and cheaper photo-cell circuit for recording time on seismograms. *Earthquake notes* v. 7, nos. 1-2 (Sept., 1935): 14; Protruding crest lines of waterfalls. Preliminary list of titles and abstracts. *Geol. Soc. Amer. Proc.* (1935): 42.
- Conn, H. J.** The certification of stains. *Stain tech.* v. 10 (1935): 73-78.
- On the detection of nitrate reduction. *Journ. bact.* v. 31 (1936): 225-233.
- The status of the generic term *Bacterium* Ehrenberg 1828. R. S. Breed and H. J. Conn. *Ibid.* v. 31 (1936): 517-518.
- Conway, J. H.** Calcified breast tumors. *Amer. journ. surg. n. s.* v. 31, no. 1 (1936): 72-76.
- Subcutaneous temperatures in localized infections. *Soc. Exp. Biol. & Med. Proc.* v. 34 (1936): 353-357.
- Obliterative vascular disease, report of fifty-one cases treated by passive vascular exercise. *Amer. Med. Asso. Journ.* v. 106 (Apr. 4, 1936): 1153-56.
- Cooke, R. A.** Relation of asthma to sinusitis, with special reference to the results from surgical treatment. R. A. Cooke and R. C. Grove. *Arch. int. med.* v. 56 (1935): 779-780.
- Serological evidence of immunity with coexisting sensitization in a type of human allergy (hay fever). R. A. Cooke and others. *Journ. exp. med.* v. 62, no. 6 (1935): 733-750.
- Allergy and its development. *Roosevelt revw.* (Mar., 1936).
- Clinical and serologic study of the relationship of giant (*Ambrosia trifida*) and low (*ambrosia artemisiaefolia*) ragweed pollen. R. A. Cooke and others. *Journ. allergy* v. 6, no. 4 (May, 1935): 311-334.
- Cooley, L. M.** The identity of raspberry mosaics. *Phytopath.* v. 26 (1936): 44-56.
- Cornell, N. W.** Fractures of the base of the radius in adults. *Arch. surg.* v. 33 (Dec., 1935): 897-916.
- Cowan, E. K.** Relative effects of calcium and acidity of the soil on the occurrence of potato scab. F. M. Blodgett and E. K. Cowan. *Amer. potato journ.* v. 12 (1935): 265-274.
- Cowart, F. F.** The photosynthesis, transpiration and stomata of apple leaves as affected by certain nutrient deficiencies. N. F. Childers and F. F. Cowart. *Amer. Soc. Hort. Science. Proc.* v. 33 (1936): 160-163.
- Apple leaf structure as related to position of the leaf upon the shoot and to type of growth. *Ibid.* v. 33 (1936): 145-148.
- Crosier, Willard.** Some ecologic relations of the potato and its chief fungous parasite, *Phytophthora infestans*. Willard Crosier and Donald Reddick. *Amer. potato journ.* v. 12 (1935): 205-219.
- *Ascochyta pisi viciae* in seeds of vetch. *Assoc. Official Seed Analysts of North Amer. Proc.* (1935): 82-86.
- Detection and identification of seed-borne parasites. *Ibid.* (1935): 87-92.
- Cunningham, L. C.** Seasonal costs and returns in producing milk in Orange County, New York. *Cornell Univ. Agric. Exp. Sta. Bull.* 641 (1936): 41 p.
- Variations in the relation of size of business to labor income on 2146 grade B dairy farms in New York, 1926-1934. *Farm econ.* no. 91 (Oct., 1935): 2213-2217.
- Pounds of milk required to buy a cow in New York. *Ibid.* no. 94 (Mar., 1936): 2305-2306.
- Incomes of dairy farmers in New York. *Ibid.* no. 94 (Mar., 1936): 2316.
- Trends of the important costs of producing milk. *Ibid.* no. 95 (May., 1936): 2338-2339.
- Curtis, O. F.** The translocation of solutes in plants. N. Y., McGraw-Hill Book Co., 1935. xiii, 273 p.
- Transpiration and the cooling of leaves. *Amer. journ. bot.* v. 23 (1936): 7-10.

- Curtiss, W. M.** Value of improved roads to New York farmers. *Farm econ.* no. 92 (Dec., 1935): 223.
- License cost for farm automobiles and trucks in New York. *Ibid.* no. 93 (Feb., 1936): 2291-92.
- The use of highways in rural New York. *Ibid.* no. 95 (May, 1936): 2319, 2325-27.
- The value of improved roads to New York farmers. (Mimeographed bulletin.) Ithaca, N. Y., Dept. Agric. Econ., 1935. 10 p.
- Economic facts, Allegany County. (Mimeographed bulletin.) H. R. Varney and W. M. Curtiss. Ithaca, N. Y., Dept. Agric. Econ., 1935. 48 p.
- The development of highway administration and finance in New York. (Mimeographed bulletin.) Ithaca, N. Y., Dept. Agric. Econ., 1936. 88 p.
- Farm management survey, Walworth, Wayne County. (Mimeographed bulletin.) Ithaca, N. Y., Dept. Agric. Econ., 1936. 28 p.
- Town highways in Tompkins County. (Mimeographed bulletin.) Ithaca, N. Y., Dept. Agric. Econ., 1936. 26 p.
- Cushman, R. E.** Constitutional law in 1934-35. *Amer. polit. science revw.* v. 30 (1936): 51-89.
- *Reviews.* Bennett. The constitution in school and college. *Cornell law quart.* v. 21 (Feb., 1936): 390-391; Tilson. Parliamentary law and procedure. *Ibid.* v. 21 (Feb., 1936): 391; Monaghan. John Day. *Ibid.* v. 21 (Je., 1936): 699-700; McLaughlin. A constitutional history of the United States. *Amer. polit. science revw.* v. 30 (Je., 1936): 565-567.
- Cuykendall, T. R.** A two-crystal spectrometer for X-Rays of wave-length $0.030 < \lambda < 0.215\text{A}$. T. R. Cuykendall and M. T. Jones. *Revw. scient. instruments* v. 6 (1935): 356-361.
- Use of the Pirani gauge in finding vacuum leaks. *Ibid.* v. 6 (1935): 371-2 (L).
- An advanced laboratory experiment on the ionization potential of mercury. *Amer. physics teacher* v. 4 (1936): 93-95.
- Dallenbach, K. M.** Two new A. C. chronoscopes. *Amer. journ. psychol.* v. 48 (1936): 145-152.
- Some gustatory apparatus. *Ibid.* v. 48 (1936): 504-507.
- The "Yogi puzzle" and the "Endless wires": Devices demonstrating apparent movement. *Ibid.* v. 48 (1936): 509-511.
- The Worcester meeting of the Society of Experimental Psychologists. *Ibid.* v. 48 (1936): 526.
- The adaptation of areal pain. L. J. Stone and K. M. Dallenbach. *Ibid.* v. 48 (1936): 117-126.
- The adaptation of pain aroused by cold. Barbara Edes and K. M. Dallenbach. *Ibid.* v. 48 (1936): 307-315.
- Adaptation of warm spots under continuous and intermittent stimulation. Solomon Aronoff and K. M. Dallenbach. *Ibid.* v. 48 (1936): 485-490.
- Adaptation of cold spots under continuous and intermittent stimulation. H. A. Levine and K. M. Dallenbach. *Ibid.* v. 48 (1936): 490-497.
- *Reviews:* An international journal of psychology. *Ibid.* v. 48 (1936): 174; McComas. Ghosts I have talked with. *Ibid.* v. 48 (1936): 192; Thesing. Genealogy of sex. *Ibid.* v. 48 (1936): 369; Hyatt. Folklore from Adams County, Illinois. *Ibid.* v. 48 (1936): 544-545.
- *Editor.* American journal of psychology v. 47 (1935).
- Daniel, D. M.** Mass liberation of an oriental fruit moth parasite. *Journ. econ. ent.* v. 29 (1936): 459-461.
- Davis, H. J.** The effect of process of manufacture on the vitamin G content of dried skim milk. H. J. Davis and L. C. Norris. *Journ. dairy science* v. 19 (1936): 1-10.
- Dearborn, C. H.** A preliminary note on the control of internal browning of cauliflower by the use of boron. C. H. Dearborn and G. J. Raleigh. *Amer. Soc. Hort. Science. Proc.* v. 33 (1936): 622-23.

- Delzell, W. R.** Traumatic rupture of the urethra. W. R. Delzell and A. R. Stevens. *Journ. urol. v. 34, no. 5 (Nov., 1935): 372-383.*
- Du Bois, E. F.** Report of the Physician in Chief of New York Hospital June 6, 1935. N. Y., New York Hospital, 1935.
- Address to students entering a medical college, Sept. 30, 1935. N. Y., Cornell Univ. Med. Coll., 1935.
- Development of clinical subjects as contributing to university work. *Science v. 82, no. 2134 (Nov. 22, 1935): 472-477.*
- Basal metabolism in health and disease. 3d. ed. Phila., Pa., Lea & Febiger, 1936. 494 p.
- Dudley, G. S.** Use of the Murphy button in small intestine anastomosis. *Surg. Clin. North Amer. v. 19, New York no. (1936).*
- Familial hemolytic jaundice; splenectomy. Two cases. *Ibid. v. 19, New York no. (1936).*
- Dukes, H. H.** The physiology of domestic animals. 3d ed. Ithaca, Comstock Pub. Co., 1935. xiv, 643 p.
- Recent progress in the physiology of digestion. *Vet. med. v. 30 (1935): 276-281.*
- Physiology of the ruminant stomach. *Lederle vet. bull. v. 4 (1935): 2-5.*
- Dundee, J. C.** When should refills be stopped? *Brit. journ. tuberc. v. 30, no. 2 (Apr., 1936).*
- Dunning, H. S.** Studies on the relation between microglia, histiocytes and monocytes. H. S. Dunning and Jacob Furth. *Amer. journ. path. v. 11 (1935): 895-913.*
- Duthie, M. E.** Program of songs, games, and folk dances for 4-H Clubs. *Cornell junior ext. bull. 55 (1935): 31 p.*
- Dyal, S. C.** A key to the species of oaks of eastern North America based on foliage and twig characters. *Rhodora v. 38 (1936): 53-63.*
- Dye, J. A.** The exhaustibility of sympathin stores. *Amer. journ. physiol. v. 113 (1935): 265-270.*
- On the question of duplication of sympathetic innervation to bilaterally innervated structures. *Ibid. v. 114 (1936): 443-451.*
- Dyson, J. L.** A few summer geological findings. *Glacial drift v. 8, no. 4 (Oct., 1935): 41-42.*
- Marmot tricks. *Ibid. v. 9, no. 1 (Apr., 1936): 7.*
- The glacial staircase. *Ibid. v. 9, no. 1 (Apr., 1936): 8-9.*
- Eames, A. J.** Morphology of vascular plants. Lower groups. N. Y., McGraw-Hill Pub. Co., Inc., 1936. xviii, 433 p.
- Genesis and composition of peat deposits. B. D. Wilson and others. *Cornell Univ. Agric. Exp. Sta. Mem. 188 (Apr., 1936): 13 p.*
- Eddy, M. H.** Taking your skills to market. *Country home v. 60, no. 6 (June, 1936): 36-37.*
- Edwards, D. J.** The action of pressure on the tension response of smooth muscle. *Amer. journ. physiol. v. 113 (1935): 37-38.*
- Efferson, J. N.** A preliminary report of the land utilization study in Genesee County, New York. Mimeographed report. *AE 124. (Feb., 1936): 27 p.*
- Elser, W. J.** The desiccation of sera and other biological products (including microorganisms) in the frozen state with the preservation of the original qualities of products so treated. W. J. Elser and others. *Journ. immunol. v. 28 (Je., 1935): 433-473.*
- *Abstract:* Studies of streptococcus zymogenes. W. J. Elser and R. A. Thomas. *Journ. bact. v. 31 (Jan., 1936): 79.*
- Embody, G. C.** In justification of the planting of large trout. *Progressive fish culturist no. 13 (Dec., 1935): 10.*
- Water suitable for trout culture. Fish culture. N. Y. St. Conserv. Dept. *Journ. (1936) II, no. 1, Jan. p. 1-5; no. 2, Feb. p. 1-5.*
- Erdman, Seward.** Inguinal hernia. *Christopher, Frederick. Textbook of surgery. Phila., W. B. Saunders Co., 1936.*

- Ewing, James.** The general pathological conception of cancer. *Canad. Med. Assoc. Journ.* v. 33 (1935): 125-135.
- Fascial sarcoma and intermuscular myxoliposarcoma. *Arch. surg.* v. 31 (1935): 507-520.
- Classification of mammary carcinoma. *Ann. surg.* v. 102 (1935): 249-252.
- The place of biopsy in bone sarcoma. *Amer. Journ. Surg.* v. 27 (1935): 26.
- The beginnings of gastric cancer. *Ibid.* v. 31 (1936): 204-205.
- General significance of bacterial infection in cancer. *Libro de Oro, homenaje de Prof. Angel H. Roffo.* Buenos Aires, Las Ciencias, (1935).
- Farrand, Livingston.** President's report, 1934-35. *Cornell Univ. Off. pub.* v. 27, no. 4. 1935.
- Fashena, G. J.** A note on the determination of iodine in biological material. G. J. Fashena and Virginia Trevorrow. *Journ. Biol. Chem.* v. 114 (1936): 351-358.
- Faust, A. B.** Review: Der Grosse Brockhaus; Handbuch des Wissens in 20 Bänden. *Amer. German revw.* v. 2 (Je., 1936): 41-42.
- General editor. Crofts German Series. 5 vols. N. Y., F. S. Crofts & Co., 1935-36.
- Ferguson, Jean.** Self-stimulation of mold cultures by reflection of mitogenetic rays. *Journ. Bact.* v. 31 (1935): 10.
- Fernow, K. H.** The yellow dwarf disease. *Allegheny Co. Farm & Home Bureau news.* v. 23, no. 5 (1935): 1.
- Fincher, M. G.** Hemorrhagic septicemia. *Cornell veterinarian* v. 26 (1936): 51-56.
- Clinical observations in acetonemia of cattle. *Ibid.* v. 26 (1936): 142-158.
- Fish, Marion.** Happenings in legislation of the past year of interest to the consumer buyer. *Journ. Home Econ.* v. 27, no. 8 (Oct., 1935): 507-508.
- Fitch, R. L.** Report of the Dean of Women, 1934-35. *Cornell Univ. Off. pub.* v. 27, no. 4. App. XV. 1935.
- Fitzpatrick, H. M.** The Mycological Society of America. *Mycologia* v. 26 (1934): 108-112.
- Report of the second annual meeting. *Ibid.* v. 26 (1934): 197-199.
- The summer foray. H. M. Fitzpatrick and others. *Ibid.* v. 26 (1934): 277-278.
- The Seventh Lake foray. H. M. Fitzpatrick and others. *Ibid.* v. 26 (1934): 377-378.
- The Mycological Society of America. Report of the third annual meeting. *Ibid.* v. 27 (1935): 225-226.
- Charles Edward Fairman. *Ibid.* v. 27 (1935): 229-234.
- The Mycological Society of America. Announcement for 1935 summer foray. *Ibid.* v. 27 (1935): 327-328.
- Dichotomophthora Portulacaceae, a pathogene of Portulaca oleracea. F. P. Mehrlich and H. M. Fitzpatrick. *Ibid.* v. 27 (1935): 543-550.
- Review: Grove British stem- and leaf-fungi etc. *Science* v. 83 (1936): 106.
- Forbes, W. T. M.** Uma lista de Lepidoptera (Heterocera) do Estado de Minas Geraes. E. J. Hambleton e W. T. M. Forbes. *Inst. Biol. (São Paulo) Arch.* vol. 6, Suppl. 2 (1935): 213-256.
- Fraser, A. C.** A summary of linkage studies in maize. R. A. Emerson and others. *Cornell Univ. Agric. Exp. Sta. Mem.* 180 (Je., 1936): 84 p.
- Fraser, J. F.** Neoplastic disease of reticulo-endothelial system. J. F. Fraser and H. J. Schwartz. *Arch. Dermat. & Syph.* v. 33 (Jan., 1936): 1-11.
- Freeman, F. S.** Human nature and the profit motive. *Soc. Frontier* v. 2 (1935): 82-84.
- Who is the exceptional child? *Educ. adm. & sup.* v. 21 (1935): 672-685.
- French, W. H.** The reader's Macaulay. W. H. French and G. D. Sanders. N. Y., American Book Co., 1936. 581 p.
- Review: Trounce. Athelston: A Middle English romance. *Mod. lang. notes* v. 51 (1936): 340.
- Freund, Jules.** Hemorrhagic reaction at the site of injection of toxins after

- intravenous injection of starch in young and adult rabbits. Jules Freund and E. P. Hosmer. *Journ. immunol.* v. 29 (1935): 279-283.
- The effect of heterologous bacterial products upon tuberculous animals. *Ibid.* v. 30 (1936): 241-253.
- Skin reactivity to glycerinated veal broth and its bearing on the specificity of the tuberculin reaction. Jules Freund and P. D'A. Hart. *Quart. journ. med.* v. 4 (1935): 417-425.
- Foot, N. C.** Peripheral neurogenic tumor. *Amer. journ. clin. path.* v. 6 (1936): 1-21.
- Furth, Jacob.** Further studies on transmissible myelosis of mice. W. A. Barnes and Jacob Furth. *Soc. Exp. Biol. & Med. Proc.* v. 33 (1935): 386-388.
- Lymphomatosis in relation to fowl paralysis. *Arch. path.* v. 20 (1935): 370-428.
- Relation of leukemia of animals to leukemia of man. Jacob Furth and others. *Amer. Med. Assoc. Journ.* v. 105 (1935): 1824-1830.
- The relation of leukosis to sarcoma of chickens: II. Mixed osteochondrosarcoma and lymphomatosis (strain 12). *Journ. exp. med.* v. 63 (1936): 117-113.
- The relation of leukosis to sarcoma of chickens: III. Sarcomata of strains 11 and 15 and their relation to leukosis. *Ibid.* v. 63 (1936): 145-155.
- Gage, S. H.** The microscope, with a new chapter on Micro-incineration. 16th ed. Ithaca, N. Y., Comstock Pub. Co., Inc., 1936. ix, 617 p.
- Theobald Smith. *Cornell veterinarian.* v. 25 (1935): 207-228.
- Joint author. Mary Gage Day, a memorial tribute. 1st and 2d editions. S. H. Gage and A. F. Gage. Mohawk, N. Y., Sun Co., 1935. 34 p.
- Garlock, J. H.** The treatment of wounds and their complications. *Intern. abstr. surg.* v. 62 (Feb., 1936): 105-112.
- Retro-esophageal goiter. *Surg., gynec., & obst.* v. 62 (Mar., 1936): 616-620.
- Parathyroidectomy for Raynaud's disease and scleroderma. *Surg. clin. North Amer. (Je., 1936).*
- Glenn, Frank.** Surgery of the gallbladder and biliary tract. *Ann. surg.* v. 103 (1936): 77-85.
- Colostomy of the transverse colon. *Surg., gynec. & obst.* v. 61 (1935): 629-634.
- Gold, Harry.** U. S. P. ether from large drums and ether from small cans labeled "For anesthesia". Comparison in seven hundred and two operations. E. M. Hediger and Harry Gold. *Amer. Med. Assoc. Journ.* v. 104 (1935): 2244-2248.
- A contribution to the pharmacology of nicotine. Harry Gold and Frederick Brown. *Journ. pharmacol. & exp. therapeut.* v. 54 (1935): 143.
- A contribution to the pharmacology of nicotine. Harry Gold and Frederick Brown. *Ibid.* v. 54 (1935): 463-475.
- Studies on the respiratory actions of drugs. XV Internat. Physiol. Cong., Russia. *Proc. (Aug., 1935):* 117.
- Goodman, H. L.** Machine tools. *Cornell eng.* v. 1, no. 4 (1936): 85.
- Gordon, H. H.** Respiratory metabolism in infancy and in childhood. XVI. Effect of intravenous infusions of fat on the energy exchange of infants. H. H. Gordon and S. Z. Levine. *Amer. journ. dis. child.* v. 50 (1935): 894-912.
- Greene, C. C., jr.** Cicero's political ideal and the question of the moderator. *Amer. Philol. Assoc. Trans. & proc.* v. 65 (1934): xxxi-xxxii.
- Griswold, G. H.** Peony growing. A. M. S. Pridham and others. *Cornell ext. bull.* 321 (Apr., 1935): 47 p.
- A moth-proof, gas-tight closet for the storage of clothing and other woolsens. G. W. Herrick and others. *Ibid.* 327 (Je., 1935): 12 p.
- The bearded iris. A. M. S. Pridham and others. *Ibid.* 324 (Jl., 1935): 51 p.
- The effect of humidity on the development of the webbing clothes moth (*Tineola bisselliella* Hum.) G. H. Griswold and M. F. Crowell. *Ecology* v. 17 (1936): 241-250.
- Guion, C. M.** Some aspects of the medical treatment of thyroid diseases. *Med. woman's journ.* v. 42, no. 6 (Je., 1935): 145.

- Guise, C. H.** Forest school statistics for 1935: degrees granted and enrollments. *Journ. forest.* v. 34 (1936): 114-120.
- Gustafson, A. F.** Soil, field-crop, pasture and vegetable-crop management for Delaware County, New York. Part I. Soils and field crops. *Cornell Univ. Agric. Exp. Sta. Bull.* 639 (Nov., 1935): 1-53.
- Soil, field-crop, pasture and vegetable crop management for Delaware County, New York. Part IV. Soil map and soil-type descriptions. C. S. Pearson and others. *Ibid.* 639 (Nov., 1935): 85-88, and map.
- Guterman, C. E. F.** The bearded iris. A. M. S. Pridham and others. *Cornell ext. bull.* 324 (Jul., 1935): 51 p.
- Guthrie, E. S.** The effect of certain factors upon the keeping quality of butter. E. S. Guthrie and others. *Journ. dairy science* v. 19, no. 4 (1936): 267-278.
- Guttman, S. A.** The effect of radiation on the excitability of smooth muscle. S. A. Guttman and D. T. Wilber. *Amer. journ. physiol.* v. 115 (1936): 194-199.
- Effect of ultraviolet radiation on the heart of *Limulus polyphemus*. *Biol. bull.* v. 70 (1936): 279-281.
- The influence of ultraviolet irradiation on frog and *Limulus* hearts subjected to potassium excess. *Journ. cell. & comp. physiol.* v. 8 (1936): 37-40.
- Influence of ultra violet irradiation on clam heart subjected to potassium excess. *Soc. Exp. Biol. & Med. Proc.* v. 33 (1935): 363-365.
- Effect of ultraviolet on heart of *Rana pipiens* and *Alligator mississippiensis*. *Ibid.* v. 33 (1935): 408-409.
- Enhancement of muscle contraction after tetanus. S. A. Guttman and others. *Ibid.* v. 34 (1936): 219-221.
- Hagan, W. A.** The State Veterinary College, the veterinary profession and the livestock owner. *Cornell veterinarian* v. 25 (1935): 259.
- Vaccination against Johne's disease. *Ibid.* v. 25 (1935): 344.
- The relationship of certain diseases of cows to disease of man. *N. Y. St. Assoc. Dairy & Milk Inspectors. Ninth ann. rept.* (1935): 197.
- Planning for the future in veterinary medicine. *Amer. Vet. Med. Assoc. Journ.* v. 88 (1936): 503.
- Report of the Dean of the New York State Veterinary College, 1934-35. *Cornell Univ. Off pub.* v. 27, no. 4. App. VII. 1935.
- An outline of lectures on pathogenic bacteriology (veterinary) and immunity. Rochester, N. Y., Flexigraph Co., 1936. 98 p.
- Hall, G. O.** The value of the pedigree in breeding for egg production. *Poultry science* v. 14, no. 6 (1935): 323-329.
- Seasonal changes in interior egg quality of single comb white Leghorn hens. J. A. Hunter and others. *Ibid.* v. 15, no. 2 (1936): 115-118.
- Hamilton, W. J., jr.** Field mouse and rabbit control in New York orchards. *Cornell ext. bull.* 338 (Sept., 1935) 24 p.
- Rats and their control. *Ibid.* 353 (1936): 32 p.
- Food habits of the mink in New York. *Journ. mammal.* v. 17, no. 2 (May, 1936): 169.
- The food of wild mink. *Amer. fur breeder* v. 8, no. 12 (1936): 14.
- The food and breeding habits of the raccoon. *Ohio journ. science* v. 36, no. 3 (1936): 131-140.
- Hammar, C. H.** Factors affecting farm land values in Missouri (from an appraisal viewpoint). *Missouri Univ. Agric. Exp. Sta. Research bull.* 229 (Sep., 1935).
- Institutional aspects of Ozark decline. *Journ. forest.* v. 33, no. 10 (Oct., 1935): 843-50.
- The intensity of land use and the resettlement problem in Missouri. C. H. Hammar and J. H. Muntzel. *Journ. farm econ.* v. 17, no. 3 (Aug., 1935): 400-422.
- Hanselman, G. R.** Cases on business law. 2 vols. Ithaca, N. Y., G. R. Hanselman, 1935.

- Introducing accounting. J. R. Bangs, jr., and others. *Cornell eng. v. 1 (Feb., 1936): 110-113, 123.*
- Hardenburg, E. V.** Slogans catch public eye. *Market growers' journ. v. 57 (1935): 420.*
- Cultural and storage research with potatoes. *Amer. potato journ. v. 13 (1936): 38-44.*
- Germinacion pervia de la semilla de papa. *Revista de agricultura v. 18 (Enero, 1936): 62-82.* Also *v. 19 (Feb., 1936): 19-39.*
- Produccion y mercadeo de frijoles en los Estados Unidos. *Union Panamericana. Boletin v. 70, num. 5 (Mayo, 1936): 371-385.*
- Harman, S. W.** Spray residue as related to codling moth control. *N. Y. St. Hort. Soc. Proc. of 81st annual meeting (1936): 40-51.*
- Codling moth control programs. *N. Y. St. Agric. Exp. Sta., Geneva, N. Y. Mimeo. circ. (Apr. 1, 1936): 5 p.*
- Harris, Brice.** "My literary past"—Frosh. *Areopagus v. 4, no. 1 (Oct., 1935): 10, 12.*
- *Advisory editor.* *Areopagus, 1935-36.*
- Harris, G. D.** Iodine therapy for goiter. *Science v. 83 (May 15, 1936): 465.*
- *Editor.* Flower and Caster. The stratigraphy and paleontology of north-western Pennsylvania. Part 2: Paleontology. Sect. A: The Cephalopod fauna of the Conewango series of the upper Devonian in New York and Pennsylvania. *Bull. Amer. paleontol. no. 75 (Aug. 23, 1935): 74 p.*
- *Editor.* Wheeler. Timothy Abbott Conrad, with particular reference to his work in Alabama one hundred years ago. *Ibid. no. 77 (Sep. 2, 1935): 157 p.*
- *Editor.* Index to the Bulletins of American paleontology, compiled by Lois Schoonover. *Paleontolog. Research. Inst. Occas. papers no. 2 (1936): 8 p.*
- Harris, K. W.** Food administration in a college cafeteria. *Amer. eng. & indust. v. 13 (1936): 110-115.*
- Hart, V. B.** The New York State 1936 agricultural outlook. V. B. Hart and others. *Cornell ext. bull. 340 (Jan., 1936): 16 p.*
- Sunshine through the clouds. *Farm Bureau news.*
- Hatcher, R. A.** The antidotal action of potassium permanganate. *Amer. Med. Assoc. Journ. v. 105 (1935): 502-504.*
- *Chairman.* American Medical Association. Epitome of the U. S. pharmacopeia and the national formulary, with comments. 5th ed. R. A. Hatcher, Chairman of Committee of Revision. Chicago, The Assoc., 1936. 240 p.
- Hauck, H. M.** How to control your weight. *Cornell bull. for homemakers 329 (1935): 18 p.*
- Hedlund, G. W.** Costs and margins of cooperative associations handling farm supplies. *Farm econ. no. 91 (Oct., 1935): 2225-2227.*
- Life insurance carried by farmers. *Ibid. no. 91 (Oct., 1935): 2227-2228.*
- Heinicke, A. J.** The apparent photosynthesis of an entire apple tree each day from pre-bloom to leaf fall, 1935. *Amer. journ. botany v. 22, no. 10 (1935): 903.*
- Importance of leaf surface in apple trees and factors influencing efficiency of foliage. *Amer. fruit grower. v. 56 (1936): 8-29.*
- Some special problems in fruit growing. *N. Y. St. Hort. Soc. Proc. v. 81 (1936): 96-103.*
- The influence of water deficiency in photosynthesis and transpiration of apple leaves. A. J. Heinicke and N. F. Childers. *Amer. Soc. Hort. Science. Proc. v. 33 (1936): 155-159.*
- Root growth in young apple trees made shortly before and after defoliation. *Ibid. v. 33 (1936): 164-5.*
- To what extent is the McIntosh apple influenced by the food materials synthesized by Northern Spy leaves? *Ibid. v. 33 (1936): 336-7.*
- Heming, W. E.** Enemies of the Mexican mealybug, *Phenacoccus gossypii* (T. & Ckll.) *Journ. econ. ent. v. 29 (1936): 633.*
- Hening, J. C.** The standardization of the Borden body flow meter for determining the apparent viscosity of cream. *Amer. Dairy Science Assoc. Journ. v. 18 (1935): 75.*

- Using frozen cherries in cherry ice cream. *Ice cream trade journ.* v. 31 (1935): 16.
- Henry, G. W.** Essentials of psychopathology. Baltimore, Md., Wm. Wood & Co., 1935. 312 p.
- Hermansson, Halldor.** The problem of Wineland; a critical study. Ithaca, N. Y., 1936. (6), 84 p. (Islandica xxv.)
- Finnur Jónsson. *Journ. Engl. & Ger. philol.* v. 24 (1935): 472-79.
- *Review.* Bolton. Terra Nova. *Geog. revw.* v. 26 (1936): 347-48.
- Heuer, G. J.** The effect of renal denervation on patients suffering from nephritis. I. H. Page and G. J. Heuer. *Journ. clin. invest.* v. 14 (1935): 443-458.
- Graduate teaching of surgery in university clinics. *Ann. surg.* v. 102 (1935): 507-515.
- Anterior nerve root section. *Ibid.* v. 102 (1935): 1073-1075.
- Compensatory changes in the remaining lung following total pneumonec-tomy. W. F. Rienhoff and others. *Johns Hopkins Hosp. Bull.* v. 57 (1935): 373-383.
- Report of the Surgical Department of New York Hospital and Cornell Medical College for the year Sep. 1, 1933 to Aug. 31, 1934. N. Y., The Hospi-tal, 1934.
- Heuser, G. F.** The relative protein efficiency and the relative vitamin G con-tent of common protein supplements used in poultry rations. H. S. Wilgus, jr. and others. *Journ. agric. research* v. 51 (1935): 383-399.
- A preliminary report on the vitamin G requirement of turkeys. *Poultry science* v. 14 (1935): 376-378.
- Effect of heat on nutritive value of soybean oil meal. H. S. Wilgus, jr. and others. *Indus. & eng. chem.* v. 28 (1936): 586-588.
- Hildebrand, E. M.** The effect of certain bactericides, especially copper sulphate, on the longevity of honeybees. E. M. Hildebrand and E. F. Phillips. *Journ. econ. ent.* v. 28 (1935): 559-565.
- Hofer, A. W.** Numbers of Rhizobium in humus cultures. *Journ. bact.* v. 31 (1936): 95-96.
- Hoffman, M. B.** The effect of lime-sulphur spray on the respiration rate of apple leaves. *Amer. Soc. Hort. Science. Proc.* v. 33 (1935): 173-176.
- Fruit washing. *N. Y. St. Hort. Soc. Proc.* v. 81 (1936): 229-238.
- Holman, Cranston.** Effect of removal of stellate sympathetic ganglion on structure of the thyroid gland; an experimental study. Mont Reid and Cranston Holman. *Arch. surg.* v. 32 (1936): 452-461.
- Technic for radiography of the sternum. Cranston Holman and Eugene Stober. *Radiology* v. 26, no. 6 (Je., 1936): 757-8.
- Homan, P. T.** The pattern of the New Deal. *Polit. science quart.* v. 51 (1936): 161-184.
- Hopkins, G. S.** The correlation of anatomy and epidural anaesthesia in do-mestic animals. *Cornell veterinarian* v. 25 (1935): 263-270.
- Hosmer, R. S.** Multiple use. *Forest. news digest* (Jan., 1936): 8-10, and *N. Y. St. Forest. Assoc. News letter* (Mar., 1936): 7.
- International Forestry Congress in Hungary. *Soc. Amer. Forest. S. A. F. affairs* v. 2, no. 2 (1936): 13.
- The Second International Congress of Forestry. *Journ. forest.* v. 34, no. 4 (1936): 432-434.
- *Collaborator.* Whipple, Gurth. A history of half a century of the manage-ment of the natural resources of the Empire State, 1885-1935. Albany, N. Y., J. B. Lyon Co., 1935. 199 p.
- Howe, Harley.** Notes on electricity. Ann Arbor, Mich., Edwards Bros., 1936. 100 p.
- Heat (an extension of above). Ann Arbor, Mich., Edwards Bros., 1936. 25 p.
- Howell, S. F.** Concanavalin A and hemagglutination. J. B. Sumner and S. F. Howell. *Science* v. 82 (1935): 65-6.

- The non-identity of the jack bean agglutinin with crystalline urease. J. B. Sumner and S. F. Howell. *Journ. immunol.* v. 29 (1935): 133-4.
- The isolation of a fourth crystalline jack bean globulin through the digestion of canavalin with trypsin. J. B. Sumner and S. F. Howell. *Journ. biol. chem.* v. 113 (1936): 607.
- Hucker, G. J.** Mastitis control from the standpoint of the research laboratory. *N. Y. St. Assoc. Dairy Milk Inspectors. 9th ann. rept.* (1935): 213-217.
- Beta-hemolytic streptococci associated with septic sore throat epidemics. *Journ. bact.* v. 30, no. 4 (Oct., 1935): 445.
- Further studies on media for the bacteriological examination of milk. G. J. Hucker and C. S. Bowers. *Amer. journ. pub. health* v. 26, no. 4, (Apr., 1936): 350-353.
- Hudson, S. C.** A classification and summary of research projects in dairy marketing. *Journ. farm econ.* v. 18, no. 2 (May, 1936): 320-329.
- Hurd, L. M.** New developments. *Amer. poultry journ.* v. 67 (Apr., 1936): 4.
- What about ducks for eggs. *New Engl. homestead* v. 109, no. 3 (Feb., 1936): 5.
- Hutt, F. B.** Idiopathic hypoparathyroidism and tetany in the fowl. *Endocrinology* v. 19, no. 4 (1935): 398-492.
- Genetics of the fowl. V. The modified frizzle. *Journ. genetics* v. 32, no. 2 (1936): 277-285.
- Abstracts: Hereditary blindness in the fowl. *Poultry science* v. 14 (1935): 297; Post-graduate training for specialists in poultry husbandry. *Ibid.* v. 14 (1935): 307.
- Review: Barger and Card. Diseases and parasites of poultry. *Ibid.* v. 14 (1935): 354, 378 and 380.
- Ingalls, R. W.** Eliminating the trembling of the bow. *Etude* v. 11 (1935): 681.
- Jackson, R. W.** The effect of bromobenzene on the utilization of cystine and methionine by the growing rat. Abraham White and R. W. Jackson. *Journ. biol. chem.* v. 111 (1935): 507-513.
- Does bis (2-aminoethyl) disulfide (cystamine) promote growth in the rat limited to an inadequate intake of cystine and methionine? R. W. Jackson and R. J. Block. *Ibid.* v. 113 (1936): 135-139.
- The excretion of kynurenic acid by the mammalian organism. A method for the identification of small amounts of kynurenic acid. W. G. Gordon and others. *Ibid.* v. 113 (1936): 125-134.
- The reaction products of indols with diazoesters. R. W. Jackson and R. H. Manske. *Canad. journ. research. sect. B*, v. 13 (1935): 170-174.
- Jeck, H. S.** Bilateral malignant lesions of the upper urinary tract. *Amer. Assoc. Genito-Urinary Surgeons. Trans.* v. 28 (1935): 337-344; also in *Journ. urol.* v. 25 (1936): 202-212.
- Jeffrey, J. O.** A precision method for the measurement of condenser tube surface temperatures for the determination of film coefficients of heat transmission. *Cornell Univ. Eng. Exp. Sta. Bull.* no. 21 (Mar., 1936): 34.
- Jenkins, J. G.** Psychology in business and industry. N. Y., John Wiley & Son, 1935. xii, 388 p.
- Jenkins, R. R.** Chemical studies on the open-pollinated, top-cross, and hybrid inbred strains of yellow sweet corn in relation to the quality of the canned product. R. R. Jenkins and C. B. Sayre. *Food research* v. 1 (1936): 199-216.
- Johannsen, O. A.** Aquatic Diptera. Part II. Orthorrhapha-Brachycera and Cyclorrhapha. *Cornell Univ. Agric. Exp. Sta. Mem.* 177 (1935): 62 p.
- Johnson, E. A. J.** Some origins of the modern economic world. N. Y., MacMillan Co., 1936. vii, 163 p.
- The Encyclopaedia of the Social Sciences. *Quart. journ. econ.* v. 50 (1936): 355-367.
- Introductory essays on economics. E. A. J. Johnson and others. Ann Arbor, Edwards Bros., Inc., 1935. 120 p.
- *Translator.* Teilhac. Pioneers of American economic thought in the nineteenth century, translated from the French by E. A. J. Johnson. N. Y., MacMillan Co., 1936. xi, 187 p.

- *Reviews: Commons. Myself. Philos. revu. v. 45 (1936): 326; Page. The estates of Crowland Abbey: a study in manorial organisation. Journ. polit. econ. v. 43 (1935): 562-564; Nettels. The money supply of the American Colonies before 1720. Amer. Acad. Polit. & Soc. Science. Ann. v. 180 (1935): 221; Ashley. Financial and commercial policy under the Cromwellian Protectorate. Amer. econ. revu. v. 25 (1935): 525-527; De Roover. Le livre de comptes de Guillaume Ruyelle. Ibid. v. 25 (1935): 769-770; Wright. Ottoman statecraft: the book of counsel for vezirs and governors. Ibid. v. 25 (1935): 535-536; Heckscher. Mercantilism. Ibid. v. 26 (1936): 306-307.*
- Johnson, P. G.** How could a national organization coordinate the activities of existing science teachers' associations? *Science educ. v. 19, no. 3 (Oct., 1935): 105-107.*
- Johnson, S. D.** Two case reports on mastitis. *Cornell veterinarian v. 25, no. 3 (Jul., 1935): 291-294.*
- Examining cows for sale. *Ibid. v. 26, no. 1 (Jan., 1936): 59-63.*
- Diagnosis and control of mastitis. *Herkimer Co. Farm Bureau news v. 23, no. 2 (Mar., 1936): 3, 6 and no. 3 (Apr., 1936): 3, 6.*
- Jones, P. B.** An economic study of land utilization in Tioga County, New York. *Cornell Univ. Agric. Exp. Sta. Bull. 648 (Apr., 1936): 32 p.*
- Rural electrification in Tioga County, New York. P. B. Jones and T. E. LaMont. Mimeographed report. *AE 129 (Mar., 1936): 8 p.*
- Jordan, R. H.** Report of the Administrative Board of the Summer Session, 1934. *Cornell Univ. Off. pub. v. 27, no. 4. App. XIV. 1935.*
- Extra-classroom activities in the high school. *School activities mag. v. 7, no. 2 (1935): 3-4.*
- Over-teaching in extra-classroom activities. *Ibid. v. 7, no. 4 (1935): 3.*
- Our patron saint—LaSalle. *Open book mag. of Kappa Phi Kappa v. 14, no. 1 (1935): 3-4.*
- Report of Committee on Resident Advisers in chapter houses. *Natl. Interfrat. Conf. Yr. bk. (1935): 136-143.*
- Study of fraternity scholarship. *Phi Gamma Delta mag. v. 58, no. 5 (1936): 332-337.*
- Kahn, M. C.** The fate of phagocytized acidfast bacteria as determined by the single cell method. I. Polymorphonuclear leucocytes. Marion Hotopp and M. C. Kahn. *Journ. infect. dis. v. 58 (1936): 324-330.*
- The fate of phagocytized acidfast bacteria as determined by the single cell method. II. Histiocytes. M. C. Kahn and others. *Natl. Tuberc. Assoc. Abstracts of the Proc. of the 32nd annual meeting. Prelim. rept. Page 3.*
- A tuberculin survey of the Dutch Guiana bush negroes. *Ibid. Prelim. rept. Page 4.*
- Where black man meets red (Report of an expedition to Dutch Guiana). *Natural hist. v. 37 (1936): 383-399.*
- Karapetoff, Vladimir.** Argues peace vs. preparedness. *Syracuse post standard (Jl., 30, 1935).*
- Letter to Jack. *Bridge of Eta Kappa Nu v. 31, no. 5 (Je.-Jl., 1935): 9.*
- A modern Dr. Jekyll and Mr. Hyde. *Ibid. v. 31, no. 5 (Je.-Jl., 1935): 17.*
- Tensor analysis. *Ibid. (Apr.-May, 1936): 11.*
- Research in engineering schools. *Elec. eng. v. 54 (Aug., 1935): 905.*
- Restricted theory of relativity in terms of hyperbolic functions of rapidities. *Amer. math. mo. v. 43 (1936): 70.*
- The science and art of living. *Cornell engineer v. 1 (Nov., 1935): 32.*
- *Translator.* Jesus jewel of my faith and Jesus, Jesus thou art mine. Two Bach vocal trios; words translated into English by V. Karapetoff. Music published by Theo. Presser Co., Philadelphia.
- Keeper, W. E.** A preliminary report of the land utilization study in Steuben County, New York. Mimeographed report. *AE 123 (Feb., 1936): 24 p.*
- Kelsey, L. D.** How to get electricity on the farm. L. D. Kelsey and H. W. Riley. *Cornell ext. bull. 339 (Dec., 1935): 10 p.*

- Kendrick, M. S.** The processing taxes. *Tax mag.* v. 13, no. 12 (Dec., 1935): 726-79, 754, 756.
- The processing tax provisions of the A. A. A. *Ibid.* v. 14, no. 5 (May, 1936): 273-278.
- Kennedy, Foster.** John Hughlings Jackson. *Acad. Med. Bull.* v. 11, no. 8 (Aug., 1935): 479-480.
- Drugs and other methods of treatment. *Ibid.* 2d ser., v. 11, no. 8 (Aug., 1935): 511-14.
- The epilepsies. *Amer. journ. psychiat.* v. 92, no. 3 (Nov., 1935): 527-530.
- Allergic manifestations in the nervous system. *N. Y. St. journ. med.* v. 36, no. 7 (Apr. 1, 1936): 469-474.
- Disorders of the nervous system following accident. *Practitioner's library of medicine and surgery, Yale Univ. School of Medicine.* v. IX (1935).
- Kerr, A. T.** Report of the Secretary of the Ithaca Division of the Medical College, 1934-35. *Cornell Univ. Off. pub.* v. 27, no. 4. App. VI. 1935.
- Kertesz, Z. I.** Water relations of enzymes. II. Water concentration required for invertase action. *Amer. Chem. Soc. Journ.* v. 57 (1935): 1277-1279.
- The chemical determination of the quality of canned green peas. *N. Y. St. Agric. Exp. Sta., Geneva, N. Y. Tech. bull.* 233 (1935): 26 p.
- Observations on the cracking of cherries. Z. I. Kertesz and B. R. Nebel. *Plant physiol.* v. 10 (1935): 763-772.
- The similarity between the mechanism of the rennin and pectase (pectin-methoxylase) reactions. A. C. Dahlberg and Z. I. Kertesz. *Science* v. 83 (1936): 56.
- The quality yardstick. *Canner* v. 82, no. 12 (1936): 7-8.
- Pectic enzymes. *Ergebnisse der Enzymforschung* v. 5 (1936): 233-258.
- Kimball, D. S.** Conquering the ocean. *Book of popular science. Ann. suppl.* (1935) chapter 43: 1-23.
- Report of the Dean of the College of Engineering, 1934-35. *Cornell Univ. Off. pub.* v. 27, no. 4. App. XII. 1935.
- King, H. H.** Dostoyevsky and Andreyev: gazers upon the abyss. Ithaca, N. Y., Cornell Alumni News Corp., 1936. 88 p.
- King, J. E. J.** Brain abscess. *Ann. surg.* v. 103, no. 5 (May, 1936): 647-668.
- Kinkeldey, Otto.** Report of the Librarian 1934-35. *Cornell Univ. Off. pub.* v. 27, no. 4. App. XVIII. 1935.
- Review: Scholes. The Puritans and music in England and New England. *Amer. hist. rev.* v. 41, no. 2 (Jan., 1936): 346-47.
- Knaysi, Georges.** A microscopic method of distinguishing dead from living bacterial cells. *Journ. bact.* v. 30 (1935): 193-206.
- The growth of a butanol Clostridium in relation to the oxidation-reduction potential and oxygen content of the medium. Georges Knaysi and S. R. Dutky. *Ibid.* v. 31 (1936): 137-149.
- Knopf, Olga.** Drei Traeume. *Internat. Zschr. Individual-psychol.* v. 6 (1928): 192-95.
- Prophylaktische Erziehungsberatung in den Elternvereinen. *Ibid.* v. 7 (1929): 192-195.
- Individualpsychologie und Gynaekologie. *Ibid.* v. 7 (1929): 276-87.
- Ueber Frigiditaet. *Ibid.* v. 8 (1930): 151-159.
- Die Stellung des Kindes in der Familie. *Ibid.* v. 8 (1930): 237-49.
- Das sexuelle Trauma. *Ibid.* v. 9 (1931): 457-61.
- Die Ursachen des Vaginismus und seine Behandlung. *Monatsschr. ungar. Med.* v. 3 (1929): 12-16.
- The art of being a woman. Boston, Little, Brown & Co., 1932. 307 p.
- Women on their own. Boston, Little, Brown & Co., 1935. 306 p.
- Preliminary report on personality studies in thirty migrain patients. *Journ. nerv. & ment. dis.* v. 82, no. 4 (1935): 400-414, and v. 83, no. 3 (1935): 270-85.
- The physician and educational guidance. Olga Knopf and Erwin Wexberg. *Adler, Alfred and others. Guiding the child.* Greenberg, N. Y., (1930): 28-46.

- Translation.* Prophylactic educational guidance in parents associations. *Ibid.* (1930): 89-101.
- Translation.* Individual psychology and gynecology. *Med. pamphlet v. 6* (1932): 22-33.
- Knott, J. E.** Fertilizing onions on muck soils. *Cornell Univ. Agric. Exp. Sta. Bull.* 650 (1936): 20 p.
- Quality of lettuce as it affects the New York lettuce industry. *Ibid.* 651 (1936): 17 p.
- The pungency of the onion bulb as influenced by the state of development of the plant. Hans Platenius and J. E. Knott. *Amer. Soc. Hort. Science. Proc.* v. 33 (1936): 481-483.
- Krukovsky, V. N.** Effect of lipolysis on the churnability of cream obtained from the milk of cows in advanced lactation. V. N. Krukovsky and P. F. Sharp. *Journ. dairy science v. 19, no. 4* (1936): 279-284.
- Kucera, J. J.** The catalytic chlorination of dioxane. J. J. Kucera and D. C. Carpenter. *Amer. Chem. Soc. Journ. v. 57* (1935): 2345-2347.
- The use of cellulose, casein, and other products in synthetic plastics and resins. D. C. Carpenter and J. J. Kucera. *N. Y. St. Agric. Exp. Sta., Geneva, N. Y., Tech. bull. no. 230* (1935): 20 p.
- Kuder, Katherine.** Resuscitation of the new-born. J. F. McGrath and Katherine Kuder. *Amer. Med. Assoc. Journ. v. 106* (1936): 885-890.
- Pregnancy following Cesarean section. *Surg., gynec. & obstet. v. 62* (1936): 887-891.
- Ladd, C. E.** Report of the New York State College of Agriculture and the Cornell University Agricultural Experiment Station, 1935. Albany, N. Y., 1935. 160 p.
- Report of the New York State Agricultural Experiment Station at Geneva, New York, 1934-35. Albany, N. Y. 95 p.
- Report of the New York State College of Home Economics, 1935. Albany, N. Y., 1935. 68 p.
- The above reports were also printed in abridged form in *Cornell Univ. Off. pub. v. 27, no. 4. App. VIII-X. 1935.*
- Ladd, W. S.** Report of the Associate Dean of the Medical College, 1934-35. *Cornell Univ. Off. pub. v. 27, no. 4. App. V. 1935.*
- Laistner, M. L. W.** A history of the Greek world from 479 to 323 B. C. London, Methuen & Co., Ltd., 1936. xv, 492 p.
- The library of the Venerable Bede. *Thompson, A. H., (ed.) Bede: his life, times, and writings. Oxford, Eng., Oxford Univ. Press, (1935): 237-266.*
- The Christian attitude to pagan literature. *History v. 20* (1935): 49-54.
- The Spanish archetype of ms. Harley 4980. *Journ. theol. studies v. 37* (1936): 132-137.
- *Review:* Leuze. Die Satrapieneinteilung in Syrien und im Zweistromlande von 520 bis 320. *Class. revw. v. 50* (1936): 40.
- LaMont, T. E.** An economic study of land utilization in Chemung County, New York. *Cornell Univ. Agric. Exp. Sta. Bull.* 640 (Jan., 1936): 84 p.
- An economic study of land utilization in Broome County, New York. *Ibid.* 642 (Mar., 1936): 50 p.
- Rural electrification in nine New York counties. *Farm econ.* 92 (Dec., 1935): 2242-6.
- Survey of land classes I and II in New York State. T. E. LaMont and C. N. Lane. *Ibid.* 93 (Feb., 1936): 2284-6.
- Roads in nine New York counties. *Ibid.* 94 (Mar., 1936): 2313-5.
- Acreage of land classes I and II in the watershed of the Susquehanna River in New York State and its relation to flood control. *Ibid.* 96 (Je., 1936): 2351-5.
- Land utilization and classification in New York State. Mimeographed report. T. E. LaMont and H. S. Tyler. *AE 119* (Dec., 1935): 31 p.
- Rural electrification in Broome County, New York. Mimeographed report. *Ibid.* 121 (Jan., 1936): 8 p.

- Rural electrification in Tioga County, New York. Mimeographed report. T. E. LaMont and P. B. Jones. *Ibid.* 129 (Mar., 1936): 8 p.
- Lamoreux, W. F.** Body temperatures of white Leghorn hens infected with *Salmonella pullorum*. *Poultry science* v. 14, no. 6 (1935): 345 and 350.
- Laube, H. D.** The right of an employee discharged for cause. *Minn. law rev.* v. 20 (1936): 597-616.
- Levine, M. I.** The diagnosis of pulmonary tuberculosis in childhood. *Med. clin. North Amer.* (Nov., 1935): 701-729.
- Tissue response of white and of negro children to induced tuberculosis. *Amer. journ. dis. child.* v. 51 (1936): 1052-1058.
- Levine, P. P.** The effect of atmospheres of hydrogen, carbon-dioxide and oxygen respectively and of mixtures of these gases on the growth of *Bacillus subtilis*. *Journ. bact.* v. 31, no. 2 (Feb., 1936): 151-160.
- Levine, S. Z.** Respiratory metabolism in infancy and in childhood. XV. Daily energy requirements of normal infants. S. Z. Levine and others. *Amer. journ. dis. child.* v. 50 (1935): 596-620.
- Respiratory metabolism in infancy and in childhood. XVI. Effect of intravenous infusions of fat on the energy exchange of infants. H. H. Gordon and S. Z. Levine. *Ibid.* v. 50 (1935): 894-912.
- Creatinuria of infancy and childhood. I. Normal variations: Creatine tolerance tests and the effect of amino-acetic acid in normal infants. Eleanor Marples and S. Z. Levine. *Ibid.* v. 51 (1936): 30-57.
- Lewis, D. C., jr.** Stability in causal systems. G. D. Birkhoff and D. C. Lewis, jr. *Philos. of science* v. 2 (1935): 304-333.
- Also numerous short reviews in the *Zentralbl. Math. u. ihre Grenzgebiete*, vols. 11-13 (1935-36).
- Lewis, G. M.** Verruca Plantaris: A method of removal by electrosurgery. *N. Y. St. journ. med.* v. 36 (1935): 869.
- Lipoidal histiocytoma (fibro-anthoma); report of a case. *Ann. int. med.* v. 9 (1936): 1746-1750.
- Liddell, H. S.** Observations on experimental neurosis in sheep. O. D. Anderson and H. S. Liddell. *Arch. neurol. & psychiat.* v. 34 (1935): 330-354.
- Effect of extract of adrenal cortex on experimental neurosis in sheep. H. S. Liddell and others. *Ibid.* v. 34 (1935): 973-993.
- Lippard, V. W.** Immune reactions induced in infants by intestinal absorption of incompletely digested cow's milk protein. V. W. Lippard and others. *Amer. journ. dis. child.* v. 51 (1936): 562-574.
- Livermore, J. R.** Hill-unit selection of potatoes. *Cornell ext. bull.* 125, rev. (Apr., 1935): 14 p.
- Livingston, M. S.** The magnetic resonance accelerator. *Rev. scient. instruments.* v. 7 (1936): 55-68.
- A projection cloud chamber. *Amer. physics teacher* v. 4 (1936): 33.
- A method for the determination of the selective absorption regions of slow neutrons. D. F. Weekes and others. *Phys. rev.* v. 49 (1936): 471-473.
- Love, H. H.** Are uniformity trials useful? *Amer. Soc. Agron. Journ.* v. 28, no. 3 (Mar., 1936): 234-245.
- A table for transforming the correlation coefficient, r, to z for correlation analysis. *Ibid.* v. 27, no. 10 (Oct., 1935): 807-12.
- Lovelace, F. E.** The influence of neutral salts on the optical rotation of gelatin. III. Effect of the halides of lithium, sodium, rubidium and cesium. D. C. Carpenter and F. E. Lovelace. *Amer. Chem. Soc. Journ.* v. 27 (1935): 2337-2342.
- The influence of neutral salts on the optical rotation of gelatin. IV. Rotatory dispersion of gelatin in sodium iodide solutions. D. C. Carpenter and F. E. Lovelace. *Ibid.* v. 57 (1935): 2342-2346.
- Lyle, H. H. M.** Carcinoma of the right lung. Pneumectomy in one stage. *Ann. surg.* v. 103, no. 1 (Jan., 1936): 124-129.
- Lyon, T. L.** The residual effects of some leguminous crops. *Cornell Univ. Agric. Exp. Sta. Bull.* 645 (1936): 17.

- McAuliffe, G. W.** Illuminated suction. *N. Y. St. journ. med.* v. 36, no. 9 (May, 1936): 710.
- An ear drumhead model. *Laryngoscope* (Je., 1936).
- McCay, C. M.** The effect of retarded growth upon the length of life span and upon the ultimate body size. C. M. McCay and others. *Journ. nutrition* v. 10 (1935): 63-72.
- Iodized salt a hundred years ago. *Science* v. 82 (1935): 350-1.
- McCombs, A. P.** The management of two cases of disease of the biliary tract following cholecystectomy for stones. *Med. clinics North Amer.* v. 19 (1935): 689-695.
- McGowan, F. J.** Penetrating wounds of the abdomen. *Ann. surg.* v. 102 (Sept., 1935): 395-411.
- McGrath, J. F.** Resuscitation of the new-born. J. F. McGrath and Katherine Kuder. *Amer. Med. Assoc. Journ.* v. 106 (1936): 885-890.
- Mackey, C. O.** Graphical solutions. N. Y., John Wiley & Sons, Inc., 1936. 130 p.
- Mackie, T. T.** Sprue: roentgenologic changes in the small intestine. T. T. Mackie and others. *Amer. journ. trop. med.* v. 15, no. 5 (Sept., 1935): 571-89.
- McLane, C. M.** Physiological changes in the ureter associated with pregnancy. H. F. Traut and C. M. McLane. *Surg., gynec. & obst.* v. 62 (1936): 65-72.
- McLean, True.** An analysis of distortion in class B audio amplifiers. *Inst. Radio Eng. Proc.* v. 24 (1936): 487-509.
- MacLeod, G. F.** Bordeaux spraying in relation to growth rate and yield of potatoes in Nassau County, Long Island. G. F. MacLeod and William Dickison. *Amer. potato journ.* v. 13 (1936): 180-4.
- Considerations of the value of field plot technique studies for entomologists. *Journ. econ. ent.* v. 28, no. 6 (1935): 1058-61.
- Further studies of onion varieties and onion thrips. F. B. Maughan and G. F. MacLeod. *Ibid.* v. 29, no. 2 (1936): 335-339.
- Experimental studies of the hairy chinch bug. K. E. Maxwell and G. F. MacLeod. *Ibid.* v. 29 (1936): 339-343.
- Toxic effects of naphthalene on *Bruchus obtectus* and *Tenebrio molitor* in various stages of development. Louis Pyenson and G. F. MacLeod. *Journ. agric. research.* v. 52, no. 9 (May 1, 1936): 705-713.
- Mader, E. O.** The response of different varieties of potatoes to different amounts of copper in a modified potato spray program. E. O. Mader and F. M. Blodgett. *Amer. potato journ.* v. 12, no. 12 (1935): 325-334.
- Magoffin, J. E.** Energy levels in electrochemistry. W. D. Bancroft and J. E. Magoffin. *Amer. Chem. Soc. Journ.* v. 57 (1935): 2561-2565.
- Malti, M. G.** A generalized infinite integral theorem. *Eléc. eng.* v. 54, no. 11 (1936): 1222-1227.
- Mann, A. R.** Developments in state planning. 17th Amer. Country Life Conf. Proc. (1935): 72-84.
- The urban and the rural land-use survey. *Amer. planning & civic ann., Wash., D. C.,* (1935): 241-248, also in *Amer. Soc. Planning Officials, Chicago, Ill. Joint Conference on City, Regional, State & Nat'l. Planning. Proc.* (1935): 37-44.
- The public and tax-supported higher education. *Nat'l. Assoc. St. Univ. Proc.* v. 33 (1935): 32-39.
- *Chairman:* A graphic compendium of planning studies. *N. Y. St. Planning Bd. [Rep't of] A. R. Mann, Chairman* (1935): i-x, 147 p.
- Marchetti, A. A.** The management of heart disease in pregnancy. *Med. clin. North Amer.* v. 19, N. Y. number (Nov., 1935): 893-99.
- Markey, F. V.** Imaginative behavior of preschool children. *Child development monogr.* no. 18 (1935): xvi, 139 p.
- Conflicts between preschool children. A. T. Jersild and F. V. Markey. *Ibid.* no. 21 (1935): ix, 181 p.
- Marples, Eleanor.** Creatinuria of infancy and childhood. I. Normal variations: creatine tolerance tests and the effect of amino-acetic acid in normal

- infants. Eleanor Marples and S. Z. Levine. *Amer. journ. dis. child.* v. 51 (1936): 30-57.
- Marquardt, J. C.** First national goat milk scoring contest. *Goat world.* v. 20, no. 7 (Jl., 1935).
- The relationship of composition to quality in goat's milk. *Ibid.* v. 20, no. 11 (Oct., 1935).
- The relationship of composition to quality in goat's milk. *Amer. goat herd journ.* v. 2, no. 10 (Oct., 1935).
- A Roquefort blend. *Hansen's dairy bull.* v. 21, no. 1-3 (1935).
- Comments on the making of cream cheese by the Geneva method. *Ibid.* v. 21, no. 4-5 (1935).
- Sage cheese. *Ibid.* v. 21, no. 4 (1936).
- How to produce quality goat milk. *Dairy goat journ.* v. 13, no. 11 (Jan., 1936).
- Studies on the manufacture of Trappist type cheese. *N. Y. St. Agric. Exp. Sta., Geneva, N. Y., Bull.* 662 (Jan., 1936): 23 p.
- Martin, K. A.** Histidine hydrochloride versus diet and alkalis in treatment of peptic ulcer. *Amer. Med. Assoc. Journ.* v. 106 (1936): 1468-1473.
- Seasickness. *Piersol, G. M., ed. Cyclopaedia med.,* (1936): 192-204.
- Marx, Milton.** *Review.* Millett and Bentley. The art of the drama. *Quart. journ. speech* v. 21 (Nov., 1935): 606-607.
- Massey, L. M.** Gladiolus diseases. *Cornell ext. bull.* 231, rev. (1935): 30-31.
- Garden roses. E. A. White and others. *Ibid.* 342 (1936): 53 p.
- Controlling rose pests. *N. Y. Times (Je., 16, 1935) Section 10:* 12.
- Scab of violet caused by Sphaceloma. L. M. Massey and A. E. Jenkins. *Cornell Univ. Agric. Exp. Sta. Mem.* 176 (1935): 7 p.
- The 1935 disease-control campaign. *Amer. rose annual* (1936): 110-116.
- Gladiolus diseases—Shall we treat the corms this spring? *Empire St. Glad. Soc. Bull.* v. 3, no. 4 (1936): 3-4.
- Control of black-spot on greenhouse roses. E. W. Lyle and L. M. Massey. *Florists exch. & hort. trade world* v. 86, no. 9 (1936): 11, 15.
- Control of black spot on roses studied at Cornell. E. W. Lyle and L. M. Massey. *Florists' revu.* v. 77, no. 1997 (1936): 19, 20, 76-77.
- Matheson, Robert.** Three new species of ticks, *Ornithodoros* (*Acarina, Ixodoidea*). *Journ. parasit.* v. 21 (1935): 347-353.
- Maynard, L. A.** The effect of retarded growth upon the length of life span and upon the ultimate body size. C. M. McCay and others. *Journ. nutrit.* v. 10 (1935): 63-79.
- The significance of fat in the rations of farm animals. *Amer. Soc. Animal Product. Proc.* (Nov. 29-30, 1935): 263-267.
- The influence of food fat of varying degrees of unsaturation upon blood lipids and milk fat. L. A. Maynard and others. *Journ. dairy science* v. 19 (1936): 49-53.
- The nutritive value of the proteins of corn-gluten meal, linseed meal, and soybean-oil meal. K. L. Turk and others. *Journ. agric. research* v. 51 (1935): 401-412.
- Synthetic diets for herbivora, with special reference to the toxicity of cod-liver oil. L. L. Madsen and others. *Cornell Univ. Agric. Exp. Sta. Mem.* 178 (1935): 3-53.
- Mayo, E. B.** Some intrusions and their wall rocks in the Sierra Nevada. *Journ. geol.* v. 43 (1935): 673-689.
- Meek, H. B.** *Editor.* A selected bibliography of articles of interest to the hotel engineer, prepared by J. R. Rogers. *Hotel administration* no. 7 (1935): 1-59.
- Megathlin, G. R.** Faulting in the Mohawk Valley. *Science* v. 82, no. 2134 (Nov. 22, 1935): 492.
- Menusan, Henry, jr.** The influence of constant temperatures and humidities on the rate of growth and relative size of the bean weevil, *Bruchus obtectus* Say. *Ent. Soc. Amer. Ann.* v. 29 (Je., 1936): 279-288.

- A review of some current research in entomological potato problems. Henry Menusan, jr., and F. G. Butcher. *Amer. potato journ.* v. 13 (1936): 64-70.
- Milhorat, A. T.** Liver arginase in myasthenia gravis. A contribution to the question of the origin of creatine. *Journ. biol. chem.* v. 111 (1935): 379-384.
- The metabolism of glycolic acid in progressive muscular dystrophy. A. T. Milhorat and Vincent Toscani. *Ibid.* v. 114 (1936): 461-466.
- Metabolism of creatine in diseases of the muscles. The clinical effect of glycine on the excretion and on the tolerance of creatine. A. T. Milhorat and H. G. Wolff. *Arch. neurol. & psychiat.* v. 34 (1935): 880-884.
- Metabolism of creatine and creatinine in muscle disease. A. T. Milhorat and H. G. Wolff. *Ann. intern. med.* v. 9 (1936): 834-837.
- Milks, H. J.** Persistence of the right instead of the left primitive aorta in the dog incarcerating the esophagus and causing its dilation. H. J. Milks and W. L. Williams. *Cornell veterinarian* v. 25, no. 4 (1935): 365-371.
- Primary brain tumors in small animals. H. J. Milks and Peter Olafson. *Ibid.* v. 26, no. 2 (1936): 159-170.
- Two cases of obstruction of the esophagus. H. J. Milks and others. *Ibid.* v. 26, no. 1 (1936): 68-70.
- Misner, E. G.** Preliminary report on types of farming in New York. Mimeographed report. Ithaca, N. Y., Dept. Agric. Econ., 1935. 246 p.
- Canadian publications in agricultural economics. Mimeographed report. Ithaca, N. Y., Dept. Agric. Econ., 1935. 22 p.
- Publications in agricultural economics, farm management, marketing and other economic topics, United Kingdom of Great Britain and Northern Ireland. Mimeographed report. Ithaca, N. Y., Dept. Agric. Econ., 1936. 102 p.
- Directions for use of Hollerith sorting and tabulating machine for making correlations by progressive digitizing. Mimeographed. Ithaca, N. Y., Dept. Agric. Econ., 1936. 17 p.
- Economic studies of poultry farming in New York. VI. Summary of 5 years', 1929-1933, results on commercial poultry farms. Mimeographed report. Ithaca, N. Y., Dept. Agric. Econ., 1936. 67 p.
- Étude économique de quelques exploitations agricoles belges. E. G. Misner and others. *Louvain Univ. Inst. Sciences écon. Bull.* (Nov., 1935): 32 p.
- Cycles of the number of cattle and the price of dairy products. *Farm econ.*, no. 93 (Feb., 1936): 2278-2279.
- Returns for use of capital and labor of operators and their families on New York farms. *Ibid.* no. 93 (Feb., 1936): 2287-2291.
- Relation of number of important business factors to labor income on market garden farms with greenhouses. *Ibid.* no. 95 (May, 1936): 2329-2330.
- Monsch, Helen.** Feeding pre-school children. *Cornell ext. bull.* 351 (May, 1936): 19 p.
- Montgomery, R. E.** Economics of the thirty-hour week. *Book pop. science. Suppl.* v. 11, no. 44 (1935): 25-32.
- Employment conditions in 1935. *Amer. Yr. bk.* v. 21 (1935): 564-70.
- *Reviews:* Leven and others. America's capacity to consume. *Amer. fed.* v. 42 (1935): 1344-46; Daugherty. Labor relations in American industry. *Journ. polit. econ.* v. 43 (1935): 526-28; Lorwin and Wubnig. Labor relations boards: regulation of collective bargaining under the National Industrial Recovery Act. *Amer. econ. revw.* v. 36 (1936): 133-34.
- Moore, C. B.** Our American citizenship. N. Y., Chas. Scribner's Sons, 1936. xvi, 495 p.
- Whither education in teacher education? *N. Y. St. educ.* v. 23 (1936): 374-376.
- Moore, S. W.** Renal arteriography. Preliminary report of experimental study. R. B. Henline and S. W. Moore. *Amer. journ. surg.* v. 32 (May, 1936): 222-229.
- Morrison, F. B.** Feeds and feeding. 20th ed. Ithaca, N. Y., Morrison Pub. Co., 1936. vi, 1050 p.

- The nutritive value of the proteins of corn-gluten meal, linseed meal, and soybean-oil meal. K. L. Turk and others. *Journ. agric. research* v. 51 (1935): 401-412.
- Morrison, I. G.** Repairing the two-horse mower. *N. Y. St. Coll. Agric., Dept. Agric. Eng. Mimeo. bull.* 361 (Feb., 1936): 39 p.
- A good harness deserves good care. *Amer. agric.* v. 133, no. 5 (Feb. 29, 1936): 3.
- Morse, L. W.** A check-list of judicial council reports. *Law library journ.* v. 29 (1936): 1-7.
- Muenschner, W. C.** Seed germination in *Lobelia* with special reference to the influence of light on *Lobelia inflata*. *Journ. agric. research* v. 52 (Apr. 15, 1936): 627-631.
- Production of seed by *Euphorbia Cyparissias*. *Rhodora* v. 38 (1936): 161-163.
- Keys to woody plants. 4th rev. ed. Ithaca, N. Y., The author, 1936. 105 p.
- Aquatic vegetation of the Susquehanna and Delaware watersheds. *N. Y. St. Conserv. Dept. Suppl. to 25th ann. rept.* (1935): 205-221.
- Weeds of New York. *Cornell Univ. Agric. Exp. Sta. Bull.* 635 (1935): 16 p.
- Munn, M. T.** The quality of flower seeds on sale in New York. M. T. Munn and R. E. Munn. *N. Y. St. Agric. Exp. Sta., Geneva, N. Y. Bull.* 663 (Jan., 1936): 12 p.
- The quality of vegetable seeds on sale in New York in 1934 and 1935. *Ibid.* 664 (Feb., 1936): 21 p.
- Observations upon the movement of seeds in bags when sampled with instruments. *Internat. Seed Testing Assoc. Proc.* v. 7, no. 1 (1935): 15-18.
- Murdock, C. C.** Polarization impedance at low frequencies. C. C. Murdock and E. E. Zimmerman. *Physics* v. 7 (1936): 211-219.
- Myers, H. A.** The analysis of laughter. *Sewanee rev.* v. 43, no. 4 (1935): 452-463.
- The tragic attitude toward value. *Internat. journ. ethics* v. 45, no. 3 (1935): 337-355.
- Systematic pluralism in Spinoza and Hegel. *Monist* v. 45, no. 2 (1935): 237-264.
- Whitman's conception of the spiritual democracy, 1855-1856. *Amer. lit.* v. 6, no. 3 (1934): 239-253.
- Reviews: Cristy. The Orient in American transcendentalism. *Philos. rev.* v. 44, no. 1 (1935): 89; Descoqs. Praelationes theologiae naturalis. *Ibid.* v. 44, no. 1 (1935): 91; Alleman. A critique of some philosophical aspects of the mysticism of Jacob Boehme. *Ibid.* v. 44, no. 1 (1935): 91; Mercier. The challenge of humanism. *Ibid.* v. 44, no. 3 (1935): 298-9.
- Nathanson, J. N.** A parallel study of labor in young and old primiparas. *Amer. journ. obst. & gynec.* v. 30, no. 2 (Aug., 1935): 159-173.
- Nebel, B. R.** Characteristics of diploid and triploid apple varieties I. Measurements of stomata. *Amer. Soc. Hort. Science Proc.* v. 32 (1934): 254-255.
- Cytology and fruit breeding I-IV. *Farm research* v. 1, no. 4; v. 2 (1935) and v. 2, nos. 3-4 (1936).
- Observations on the cracking of sweet cherries. Z. I. Kertesz and B. R. Nebel. *Plant physiol.* v. 10 (1935): 763-772.
- Chromosome structure VII. B. R. Nebel and M. L. Ruttle. *Amer. naturalist* v. 70 (1936): 226-236.
- Chromosome structure in Tradescantiae VIII. B. R. Nebel and M. L. Ruttle. *Cytologia* v. 6 (1935): 457-464.
- Needham, J. G.** The biology of mayflies with a systematic account of North American species. J. G. Needham and others. Ithaca, N. Y., Comstock Pub. Co., 1935. xvi, 759 p.
- Some basic principles of insect wing venation. *N. Y. Ent. Soc. Journ.* v. 43 (1935): 113-129.

- Neff, W. S.** A critical investigation of the visual apprehension of movement. *Amer. journ. psychol.* v. 48 (1936): 1-42.
- Nevin, F. R.** Anatomy of cnemidocoptes mutans (R. and L.), the scaly leg mite of poultry. *Ent. Soc. Amer. Ann.* v. 28, no. 3 (1935): 338-367.
- Studies of invertebrate forage organisms in selected areas, with notes on the effects of pollution upon them. F. R. Nevin and H. K. Townes. *N. Y. St. Conserv. Dept. Suppl. to 21th ann. rep't.* (1934) no. 9: 214-227.
- Nicholls, E. E.** Malarial therapy in rheumatoid arthritis. R. L. Cecil and others. *Amer. Med. Assoc. Journ.* v. 105 (1935): 1161-1164.
- The incidence and biological characteristics of the hemolytic bacillus coli in the intestinal tract of patients with chronic ulcerative colitis. *Amer. journ. digest. dis. & nutrit.* v. 2 (1935): 709-713.
- The classification of a group of escherichia isolated from the intestinal tract of patients with ulcerative colitis. E. E. Nicholls and H. P. Saltz. *Journ. bact.* v. 31 (1936): 313-19.
- *Abstract:* A study of the organisms recovered from filtrates of hemolytic streptococcus cultures. *Ibid.* v. 30, no. 4 (Oct., 1935): 443-4.
- Nichols, M. L.** The germanium-germanium dioxide electrode. M. L. Nichols and S. R. Cooper. *Indus. & eng. chem. Analy. ed.* v. 7 (1935): 350-352.
- Potentiometric titrations with the germanium-germanium dioxide electrode. M. L. Nichols and S. R. Cooper. *Ibid.* v. 7 (1935): 353-355.
- *Review:* Benedetti-Pichler & Spikes. Introduction to the microtechnique of inorganic qualitative analysis. *Indus. & eng. chem. News ed.* v. 13 (1935): 463.
- Niles, H. D.** Herpes Zoster. *Urol. & cutan. revw.* v. 39, no. 12 (1935): 870-871.
- Dermatitis due to a card table cover. *N. Y. St. journ. med.* v. 36, no. 2 (1935): 113-115.
- Relation of the adrenal glands to hypertrichosis—Results of irradiation of the adrenals and review of the literature. *Arch. dermat. & syphil.* v. 32 (1935): 580-588.
- Nonidez, J. F.** Innervation of the thyroid gland. III. Distribution and termination of the nerve fibers in the dog. *Amer. journ. anat.* v. 57 (1935): 135-169.
- The aortic (depressor) nerve and its associated epithelioid body, the glomus aorticum. *Ibid.* v. 57 (1935): 259-301.
- Observations on the blood supply and the innervation of the aortic paraganglion of the cat. *Journ. anat.* v. 70 (1936): 215-224.
- Norris, L. C.** A biological method using chicks for assaying feeds for vitamin A. R. C. Ringrose and L. C. Norris. *Poultry science* v. 15 (1936).
- The relative protein efficiency and the relative vitamin G content of common protein supplements used in poultry rations. H. S. Wilgus, jr. and others. *Journ. agric. research* v. 51 (1935): 383-399.
- Effect of heat on nutritive value of soybean oil meal. H. S. Wilgus, jr. and others. *Indus. & eng. chem.* v. 28 (1936): 586-588.
- Northup, C. S.** The new history of Phi Beta Kappa. *Key reporter* v. 1 (Spring, 1936): 60.
- A second group of reading courses. *Ibid.* v. 1 (Winter, Spring & Summer, 1936): 27-30, 66, 68, 94-5.
- *Cooperating editor.* *Journ. English and Germanic philology*, 1935-6.
- *Consulting editor.* *Amer. scholar*, 1935-6.
- *Consulting editor.* *Key reporter*, 1935-6.
- *Joint editor.* *Cornell studies in English*, 1935-6.
- *Reviews:* Van Allen. *Poems.* *Cornell alumni news* v. 38 (Jan. 30, 1936): 256; Willard. *Two Apocrypha in Old English homilies.* *Journ. Eng. & Germ. philol.* v. 35 (Apr., 1936): 283-4; Hadzsits. *Lucretius and his influence.* *Amer. scholar* v. 5 (Winter, 1936): 122-4.
- Norton, L. B.** A chemical method for determining the safeness to foliage of commercial calcium arsenates. G. W. Pearce and others. *N. Y. St. Agric. Exp. Sta., Geneva, N. Y., Tech. bull.* 234 (1935): 15 p.

- Ogden, R. M.** The Gestalt theory of learning. *School & soc.* v. 41 (1935): 527-533.
- Report of the Dean of the College of Arts and Sciences, 1934-35. *Cornell Univ. Off. pub.* v. 27, no. 6. *App. III.* 1935.
- The relation of undergraduate to graduate study. *Assoc. Amer. Univ. Journ. of proc. & addresses* (1935): 86-96; also in *School & soc.* v. 43 (1936): 137-143.
- Discussion: Sociology and Gestalt psychology. *Amer. journ. psychol.* v. 46 (1934): 651-55.
- Reviews: Murchison (ed.) A handbook of general experimental psychology. *Journ. genetic psychol.* v. 46 (1935): 234-236; Korzybski. Science and sanity. *Philosoph. revu.* v. 44 (1935) 82-84; Hammond. A bibliography of aesthetics and of the philosophy of the fine arts from 1900 to 1932. *Ibid.* v. 44 (1935): 403; Pfänder. Die Seele des Menschen. *Ibid.* v. 44 (1935): 406.
- Olcott, C. T.** A case of non-lipoid histiocytosis with necropsy. N. C. Foot and C. T. Olcott. *Arch. path.* v. 19, no. 2 (Feb., 1935): 269-71.
- Abscess of the liver due to Friedländer's bacillus. *Ibid.* v. 20 (1935): 648.
- The Pathological Cabinet of the New York Hospital. *Ann. med. hist. n. s.* v. 8 (1936): 54-64.
- The Pathological Cabinet of the New York Hospital. *Journ. tech. meth.* v. 15 (1936): 25.
- O'Leary, P. M.** Introductory essays on economics. E. A. J. Johnson and others. Ann Arbor, Michigan, Edwards Bros., Inc., 1935. 120 p.
- Opie, E. L.** Studies in tuberculosis: I. The organization of an out-patient tuberculosis clinic for epidemio-logical investigation. E. L. Opie and F. M. McPhedran. *Amer. journ. hygiene* v. 22 (1935): 539-564.
- Studies in tuberculosis: II. The spread of tuberculosis in families. F. M. McPhedran and E. L. Opie. *Ibid.* v. 22 (1935): 565-643.
- Studies in tuberculosis: III. The fate of persons in contact with tuberculosis; the exogenous infection of children and adults. E. L. Opie and others. *Ibid.* v. 22 (1935): 644-682.
- Present concepts of tuberculous infection and disease; their principles and application. *Amer. revu. tuberc.* v. 32 (1935): 617-630.
- Oppel, T. W.** The stimulation of the end organs of the skin by radiation. T. W. Oppel and J. D. Hardy. *Amer. journ. physiol.* v. 116 (1936): 116.
- The response of the skin to radiation. J. D. Hardy and T. W. Oppel. *Phys. revu.* v. 49 (1936): 868.
- O'Rourke, C. E.** Flat slab design. Scranton, Pa., Internat. Textbook Co., 1935. 90 p.
- Consulting editor. Bruce, A. G. Highway design and construction. Scranton, Pa., Internat. Textbook Co., 1934. 630 p.
- Consulting editor. Bouchard, Harry. Surveying. Scranton, Pa., Internat. Textbook Co., 1935. 586 p.
- Oskamp, Joseph.** Importance of orchard soils in new plantings. *N. Y. St. Hort. Soc. Proc.* v. 81 (1936): 69-82.
- Overholser, E. L.** Bruising in harvesting and handling apples and its relation to spray residue removal. *N. Y. St. Hort. Soc. Proc.* v. 81 (1936): 51-62.
- Pack, G. T.** The indications for radium and x-ray therapy of cancer. *Yale journ. biol. & med.* v. 7, no. 6 (Jul., 1935): 605-6.
- Palliative irradiation of gastric cancer. G. T. Pack and others. *Arch. surg.* v. 31, no. 6 (Dec., 1935): 851-896.
- Recent developments in cancer research. *Kansas City Acad. Med. Proc.* (1935).
- A study of the enzyme content of a parenchymatous adenocarcinoma of pancreas and a comparison with the normal human pancreas. Kanematsu Sugiura and others. *Amer. journ. cancer* v. 26, no. 2 (Feb., 1936): 351-357.
- Evipal anesthesia for radium therapy. G. H. Twombly and G. T. Pack. *Radiology* v. 25, no. 3 (Sept., 1935): 295-299.

- The roentgen diagnosis of malignant tumors of the stomach. G. T. Pack and Harry Hauser. *Ibid.* v. 26, no. 2 (Feb., 1936): 221-233.
- Palliative irradiation of gastric cancer. *Amer. journ. surg. n. s.*, v. 31, no. 2 (Feb., 1936): 196-259, 377, 396.
- DePetz clamp in surgical treatment of gastric cancer. G. T. Pack and Isabel Scharnagel. *Ibid.* n. s. v. 31, no. 3 (Mar., 1936): 575-581.
- Papanicolaou, G. N.** The action of ovarian follicular hormone in the menopause, as indicated by vaginal smears. G. N. Papanicolaou and Ephraim Shorr. *Amer. journ. obst. & gynec.* v. 31 (1936): 806-831.
- Papez, J. W.** Evolution of the medial geniculate body. *Anat. rec.* v. 61. *Suppl.* (1935): 38 and also *Journ. comp. neurol.* v. 64, no. 1 (Je. 15, 1936): 41-61.
- *Collaborator.* Definitions of reflexes, and table of reflexes. *Dictionary of psychology.* Cambridge, Mass., Houghton Mifflin Co., (1934): 311-315.
- *Abstracts.* Thalamic nuclei of Pithecus (Macacus) Rhesus. I-II. J. W. Papez and L. R. Aronson. *Journ. nerv. & ment. dis.* v. 81 (1935): 329; Thalamus of turtles and thalamic evolution. *Ibid.* v. 82 (1935): 668.
- Pastore, J. B.** A study of the blood loss in the third stage of labor and the factors involved. *Amer. journ. obst. & gynec.* v. 31 (1936): 78.
- Pate, V. S. L.** The Nearctic species of Nitela, with a description of a new species of Solierella (Sphecidae: Hymenoptera). *Ent. news* v. 45 (1934): 241-244.
- Synonymical notes on the fossorial wasps (Hymenoptera: Sphecidae, Pompilidae and Tiphidae). *Ibid.* v. 46 (1935): 244-250, 264-267.
- Entomological literature. V. S. L. Pate and others. *Ibid.* v. 47 (1936): 21-27, 45-51, 78-83, 108-112, 135-140, 159-165.
- Rhetogonathus, a new group in the Lindenius complex. *Ibid.* v. 47 (1936): 147-153.
- Studies in the Nyssonine wasps (Hymenoptera: Sphecidae). I.—The species of Psammaletes, a new subgenus of Hoplisoides. *Amer. Ent. Soc. Trans.* v. 62 (1936): 49-56.
- Patterson, R. H.** Horner's syndrome. *Ann. surg.* v. 102, no. 6 (1935): 1107-1109.
- Surgery for cervical ribs. *Ibid.* v. 102, no. 6 (1935): 972-979.
- The therapeutic effects following interruption of the sympathetic nerves: Report on the alcohol block in certain arthritic and vascular cases. R. H. Patterson and W. J. Stainsby. *Ibid.* v. 103, no. 4 (1936): 514-534.
- Patton, A. R.** The amino acid content of eggs and chicks: relation to diet and to incidence of chondrodystrophy. A. R. Patton and L. S. Palmer. *Journ. nutrit.* v. 11 (1936): 129-134.
- Pearce, G. W.** A chemical method for determining the safeness to foliage of commercial calcium arsenates. G. W. Pearce and others. *N. Y. St. Agric. Exp. Sta., Geneva, N. Y. Tech. bull.* 234 (1935): 15 p.
- Pearson, F. A.** Prices of gold in five countries. G. F. Warren and F. A. Pearson. *Farm econ.* no. 91 (Oct., 1935): 2207-2213.
- Flexible and inflexible prices. G. F. Warren and F. A. Pearson. *Ibid.* no. 92 (Dec., 1935): 2230.
- Purchasing power and farm products in the United States. G. F. Warren and F. A. Pearson. *Ibid.* no. 92 (Dec., 1935): 2230-2231.
- The world price level. G. F. Warren and F. A. Pearson. *Ibid.* no. 93 (Feb., 1936): 2254-2255.
- Production of food and feed crops. G. F. Warren and F. A. Pearson. *Ibid.* no. 93 (Feb., 1936): 2263.
- Tariff roles in farm products. G. F. Warren and F. A. Pearson. *Ibid.* no. 93 (Feb., 1936): 2263-2264.
- The building situation. G. F. Warren and F. A. Pearson. *Ibid.* no. 93 (Feb., 1936): 2265-2266.
- Poultry. G. F. Warren and F. A. Pearson. *Ibid.* no. 93 (Feb., 1936): 2266-2268.

- Causes of changes in prices of farm products. G. F. Warren and F. A. Pearson. *Ibid.* no. 93 (Feb., 1936): 2268-2272.
- Livestock on farms. G. F. Warren and F. A. Pearson. *Ibid.* no. 94 (Mar., 1936): 2294-2305.
- Relation of building to railroad freight traffic. G. F. Warren and F. A. Pearson. *Ibid.* no. 95 (May, 1936): 2318-2319.
- Pederson, C. S.** The preservation of grape juice. I. Pasteurization of Concord grape juice. *Food research.* v. 1 (1936): 9-27.
- The preservation of grape juice. II. Factors controlling the rate of deterioration of bottled Concord juice. D. K. Tressler and C. S. Pederson. *Ibid.* v. 1 (1936): 87-97.
- The relation between temperature and the rate of fermentation of commercial sauerkraut. *Zent. f. bakt. II Abt. Bd.* 92 (1935): 338-348.
- The effect of inoculation on the quality, chemical composition, and bacterial flora of sauerkraut. *Ibid.* Bd. 92 (1935): 342-348.
- Sauerkraut rapidly gaining in favor. *Farm research* v. 2, no. 1 (Oct. 1, 1935): 1, 3.
- Grape juices pasteurized at lower temperature. *Ibid.* v. 2, no. 2 (Jan., 1936): 9.
- Pasteurization of New York State wines. C. S. Pederson and others. *Indus. & eng. chem.* v. 27 (Nov., 1935): 1257.
- Optimum temperature of incubation for standard methods of milk analysis as influenced by the medium. M. W. Yale and C. S. Pederson. *Amer. journ. pub. health.* v. 26, no. 4 (Apr., 1936): 344-349.
- A study of the species *Lactobacillus plantarum* (Orla-Jensen) Bergey et al. *Journ. bact.* v. 31, no. 3 (Mar., 1936): 217-224.
- Pelmont, A. P.** *Editor.* Journal d'une femme de cinquante ans (Mémoires de la Marquise de La Tour du Pin). Texte choisi et annoté par A. P. Pelmont. N. Y., Harper & Bros., 1936. x, 225 p.
- Phillips, E. F.** Relation of fermentation to granulation of honey. *Root, A. I. & Root, E. R. A B C and X Y Z of bee culture* (1935): 372-374.
- A new process for liquid honey: most revolutionary in the last hundred years—makes good honey better. *Glass liner.* v. 9 (1935): 16-18.
- The effect of certain bactericides, especially copper sulphate, on the longevity of honeybees. E. F. Phillips and E. M. Hildebrand. *Journ. econ. ent.* v. 28 (1935): 559-565.
- The honeybee and the beehive in relation to fire blight. E. M. Hildebrand and E. F. Phillips. *Journ. agric. research* v. 52 (1936): 789-810.
- *Introduction.* Rayment. A cluster of bees. Sydney, N. S. W., Australia., Endeavour Press (1935): 7-8.
- Phillips, M. G.** Nature—by seaside and wayside; a series in natural science. 4 vols. M. G. Phillips and J. M. Wright. Boston, Mass., D. C. Heath & Co., 1936.
- The achievement of home comfort. *Forecast* v. 51 (1936): 164-166, 197.
- Pirone, P. P.** Spotted wilt of tomatoes and peppers in New York. *Plant disease reporter.* v. 19, no. 15 (1935): 244.
- Some notes on fungi causing diseases of cabbage and other crucifers. Charles Chupp and P. P. Pirone. *Ibid.* v. 19, no. 17 (1935): 275.
- Preventing plant diseases by seed treatment. *Amer. agriculturist* v. 133, no. 5 (1936): 130.
- Platenius, Hans.** A method for estimating the volatile sulphur content and pungency of onions. *Journ. agric. research* v. 51, no. 9 (1935): 847-853.
- The pungency of the onion bulb as influenced by the stage of development of the plant. Hans Platenius and J. E. Knott. *Amer. Soc. Hort. Science Proc.* v. 33 (1936): 481-483.
- Plunkett, M. L.** The upstate cities and villages. *N. Y. St. Hist. Soc. History of the State of New York* v. 8, chapter 2 (1935).
- Pond, J. D.** Girdling for seed production. *Journ. forest.* v. 34, no. 1 (1936): 78-79.

- Porter, J. D.** The Chemcraft rubber chemistry manual. Hagerstown, Md., Porter Chem. Co., 1935. 77 p.
- Post, Kenneth.** Temperature as a factor in bud differentiation and flowering of stocks (*Mathiola incana*). *Amer. Soc. Hort. Science. Proc.* v. 32 (1934): 631.
- Some factors affecting flower bud initiation and development in the chrysanthemum (*C. morifolium*). *Ibid.* v. 32 (1934): 623-625.
- The effects of day length and light intensity on vegetative growth and flowering of the china aster (*Callistephus chinensis*). *Ibid.* v. 32 (1934): 626-630.
- Some effects of temperature and light upon the flower bud formation and leaf character of stocks (*Mathiola incana*). *Ibid.* v. 33 (1935): 649-652.
- Growth responses of some ornamental plants to temperature. *Ibid.* v. 33 (1935): 647-648.
- Producing early china asters. *Flor. exch. & hort. trade world.* v. 86 (Apr. 18, 1936): 19.
- Effect of day length on bud formation of chrysanthemums. *Flor. revw.* v. 77 (Dec. 26, 1935): 10-12.
- Effect of day length on bud formation of miscellaneous florist plants. *Ibid.* v. 77 (Jan. 2, 1936): 19-20.
- Pratt, A. J.** The home garden. *Cornell ext. bull.* 344 (1936): 53 p.
- 4-H potato growing. *Cornell junior ext. bull.* 56 (1936): 28 p.
- 4-H vegetable growing. *Ibid.* 46, rev. (1936): 45 p.
- Pridham, A. M. S.** The gladiolus in New York State. *Empire St. Glad. Soc. Bull.* v. 2, no. 6 (1935): 6 & 9.
- The gladiolus in flower arrangement. *Ibid.* v. 2, no. 7 (1935): 11 & 12.
- The gladiolus in New York State. *Ibid.* v. 2, no. 12 (1935): 9-11.
- Gladiolus shows analyzed. *Canad. Glad. Soc. Quart.*, (Apr., 1936): 20, 32-33.
- Peony growing. A. M. S. Pridham and others. *Cornell ext. bull.* 321 (Apr., 1935): 47 p.
- The bearded iris. *Ibid.* 324 (Je., 1935): 51 p.
- Editorials in *Empire St. Glad. Soc. Bull.*, 1935-36.
- Rahn, Otto.** Invisible radiations of organisms. Berlin, Gebrüder Borntraeger, 1936. vii, 198 p.
- Die durch chemische Gesetze bedingten Variationen der Lebewesen. *Biochem. Ztschr.* v. 284 (1936): 40-62.
- Abstracts: Ferguson. Self-stimulation of mold cultures by reflection of mitogenetic rays. *Journ. bact.* v. 31 (1936): 10; Hegarty. Oxygen consumption by bacterial cultures. *Ibid.* v. 31 (1936): 18.
- Raleigh, G. J.** A preliminary note on the control of internal browning of cauliflower by the use of boron. C. H. Dearborn and G. J. Raleigh. *Amer. Soc. Hort. Science Proc.* v. 33 (1936): 622-623.
- Ramsay, A. J.** Development of the palatine tonsil (cat). *Amer. journ. anat.* v. 57 (1935): 171-203.
- Persistence of the organ of Chievitz in the human. *Anat. rec.* v. 63 (1935): 281-293.
- Randolph, J. F.** Carathéodory measure and a generalization of the Gauss-Green lemma. *Amer. Math. Soc. Trans.* v. 38, no. 3 (Nov., 1935): 530-548.
- Some density properties of point sets. *Ann. math. 2nd ser.* v. 37, no. 2 (Apr., 1936): 336-344.
- On generalizations of length and area. *Amer. Math. Soc. Bull.* v. 42, no. 4 (Apr., 1936): 268-274.
- Rappenecker, Casper.** Abstract: The Moneague Valley, Jamaica: site of a temporary karst lake. *Assoc. of Amer. Geog. Ann.* v. 26, no. 1 (Mar., 1936): 77.
- Rasmussen, M. P.** Motor truck distribution and sale of fruits and vegetables. *Amer. cooperation (Jl.* 15, 1935): 412-426.
- Transportation changes in the northeast and their significance for farm marketing policies in Connecticut. *Conn. St. Coll. bull.* v. 31, no. 2 (Aug., 1935): 15-24.

- Some facts regarding the use of the motor truck in marketing perishables. *N. Y. packer v. 31 (Dec. 7, 1935): 2 p.*
- Transportation problems in relation to commodities—fruits and vegetables. *Ibid. (Je. 20, 1936): 17.*
- Use made of motor trucks by growers and shippers in marketing fruits and vegetables, season 1933-34. *Farm econ. no. 92 (Dec., 1935): 2246-2248.*
- Comparative supplies of fruits and vegetables brought to New York City by railroad, boat and motor truck, calendar years 1929 and 1934. *Ibid. no. 92 (Dec., 1935): 2251-2252.*
- Some facts concerning use of motor trucks by growers in marketing fruits and vegetables, season 1933-34. *Ibid. no. 93 (Feb., 1936): 2279-2282.*
- Sales outlets used by New York State growers in marketing various fruits and vegetables, season 1933-34. *Ibid. no. 93 (Feb., 1936): 2282-2283.*
- Variations in methods of transporting important fruits and vegetables to market, as reported by 939 New York growers, season 1933-34. *Ibid. no. 94 (Mar., 1936): 2306-2307.*
- Where New York growers disposed of important fruit and vegetable crops, season 1933-34. *Ibid. no. 95 (May, 1936): 2336-2337.*
- Recent trends and changes in the distribution of fruits and vegetables. *Produce news. v. 38, no. 4 (Jan. 25, 1936) and v. 39, no. 5 (Feb. 1, 1936): 2 p.*
- The truck in relation to fruit and vegetable marketing. *Journ. farm econ. v. 18, no. 2 (May, 1936): 372-384.*
- Some facts concerning the use of the motor truck in marketing fruits and vegetables. *N. Y. St. Farm Bur. Federation, Syracuse, N. Y. Mimeo. bull. (Nov. 14, 1935): 22 p.*
- Rasmussen, R. A.** The effects of breed characteristics and stages of lactation on the vitamin C (ascorbic acid) content of cow's milk. R. A. Rasmussen and others. *Journ. nutrit. v. 11 (1936): 425-432.*
- Rawlins, W. A.** Further studies on continuous cultivation as a control for wheat wireworms. *Amer. potato journ. v. 13, no. 3 (1936): 70-73.*
- Ray, W. W.** Pathogenicity and cultural experiments with *Caliciopsis pinea*. *Mycologia v. 28 (1936): 201-208.*
- Rea, G. H.** Water for bees. *Canad. bee journ. v. 43, no. 5 (1935): 122.*
- The usefulness of package bees. *Ibid. v. 43, no. 5 (1935): 119-120.*
- Packing bees for winter. *Ibid. v. 43, no. 9 (1935): 241-242.*
- Package bees. *Ibid. v. 44, no. 5 (1936): 117-118, 137-139.*
- Feed and pack. *Ibid. v. 43, no. 10 (1935): 265-266; also in Bees & honey v. 16, no. 11 (1935): 387-388.*
- Why read beekeeping literature? *Bees & honey v. 16, no. 7 (1935): 241-242.*
- Requeening pays. *Ibid. v. 16, no. 7 (1935): 244-245; also in Canad. bee journ. v. 43, no. 7 (1935): 189; and in Beekeepers item v. 19, no. 8 (1935): 351.*
- Prepare bees for winter. *Beekeepers item v. 19, no. 10 (1935): 434-435; and in Bees & honey v. 16, no. 10 (1935): 345-346.*
- Final preparation for winter. *Bees & honey v. 16, no. 12 (1935): 422-424.*
- Condition of bees generally good. *Ibid. v. 17, no. 2 (1936): 61-62.*
- Condition of bees. *Ibid. v. 17, no. 3 (1936): 99.*
- Attention fruit growers. *Ibid. v. 17, no. 3 (1936): 97; and in Beekeepers item v. 20, no. 4 (1936): 160.*
- How to feed. *Beekeepers item v. 19, no. 12 (1935): 522-523.*
- Snow often benefits. *Ibid. v. 20, no. 2 (1936): 70.*
- Recknagel, A. B.** Summary of forest practice rules under the conservation code (Article X). *Journ. forest. v. 33 (1935): 792-798.*
- Forestry on the Whitney Preserve in the Adirondacks. *Ibid. v. 34 (1936): 111-113.*
- Schools of forest practice. *Ibid. v. 34 (1936): 341.*
- *Editor.* Forstliche Rundschau, 1935-1936.
- *Editor.* Empire State Forest Products Association. Bulletins. nos. 51-53, 1935-1936.
- *Review:* Brown. Logging-transportation. *Journ. forest. v. 34 (1936): 539-541*

- Reddick, Donald.** Some ecologic relations of the potato and its chief fungous parasite, *Phytophthora infestans*. Willard Crosier and Donald Reddick. *Amer. potato journ.* v. 12 (1935): 205-219.
- Reed, H. L.** The stabilization doctrines of Carl Snyder. *Quart. journ. econ.* v. 49 (Aug., 1935): 600-620.
- Recent developments. In *Rufener, L. A. Money and banking in the United States. Chapter XXX.* N. Y., Houghton Mifflin Co. (1936): 769-791.
- Loans of government credit agencies. *Assoc. Reserve City Bankers. Commis. Banking Law and Practice. Confidential communication (Je., 1935):* 1-35.
- *Reviews:* Gayer. Monetary policy and economic stabilization, a study of the gold standard. *Amer. Statis. Assoc. Journ.* v. 30 (Dec., 1935): 762-763; Whitney. Experiments in credit control; the federal reserve system. *Amer. econ. revw.* v. 25, no. 2 (Je., 1935): 347-349; Mills and Walker. Money. *Ibid.* v. 26, no. 1 (Mar., 1936): 147.
- Reznikoff, Paul.** Relation of leukemia of animals to leukemia in man. Jacob Furth and others. *Amer. Med. Assoc. Journ.* v. 105 (Dec. 7, 1935): 1824-30.
- Rhodes, F. H.** Rate of heat transfer between condensing organic vapors and a metal tube. F. H. Rhodes and K. R. Younger. *Indus. & eng. chem.* v. 27 (1935): 957-961.
- Richardson, H. B.** Influence of thyroid administration on creatin metabolism in myxedema of adults. *Soc. Exp. Biol. & Med. Proc.* v. 32 (1935): 1340.
- The creatin metabolism in atypical Graves' disease. H. B. Richardson and Ephraim Shorr. *Assoc. Amer. Physicians Trans. v. 1* (1935): 156.
- Richtmyer, F. K.** Report of the Dean of the Graduate School, 1934-35. *Cornell Univ. Off. pub.* v. 27, no. 6. *App. II.* 1935.
- Auger effect for Au (79) and the origin of certain L-satellites in x-ray spectra. E. G. Ramberg and F. K. Richtmyer. *Miscellanea v. 1, no. 1* (1935): 5, and abstracted in *Phys. revw.* v. 47 (1935): 805A.
- Borderlands in science. *Science* v. 82, no. 2130 (Oct. 25, 1935): 379-382.
- *Abstracts:* Comments on the Coster-Kronig theory of a new type of auger effect. F. R. Hirsh, jr., and F. K. Richtmyer. *Phys. revw.* v. 47 (1935): 805A; Relative intensities of $K\alpha$ x-ray satellite lines. L. G. Parratt and F. K. Richtmyer. *Ibid.* v. 49 (1936): 419A; Wave-lengths of $K\alpha$ x-ray satellite lines for elements S (16) to Ge (32). F. K. Richtmyer and L. G. Parratt. *Ibid.* v. 49 (1936): 644A; Widths of $K\alpha$ x-ray satellite lines. L. G. Parratt and F. K. Richtmyer. *Ibid.* v. 49 (1936): 644-645A.
- Ries, Heinrich.** Use of sodium chloride in road stabilization. *Amer. Inst. Mining & Metallurg. Eng. Tech. pub. no. 721* (1936).
- Geology and clay research. *Amer. Ceramic Soc. Bull.* v. 14, no. 9 (Sept., 1935): 279-290.
- Robinson, G. H.** An introduction to American admiralty. *Cornell law quart.* v. 21 (1935): 46-90.
- Wrongful death in admiralty and the conflict of laws. *Columbia law revw.* v. 36 (1936): 406-439.
- The seaman in American admiralty law. *Boston Univ. law revw.* v. 16 (1936): 283-321.
- Tort jurisdiction in American admiralty. *Univ. of Penn. law revw. & Amer. law reg.* v. 84 (1936): 716-757.
- Contract jurisdiction in American admiralty. *Tulane law revw.* v. 10 (1936): 359-400.
- Cases and authorities on public utilities. 2nd ed. Chicago, Callaghan & Co., 1935. xxxvii, 884 p.
- Roehl, L. M.** Problems for the school and home workshop. Milwaukee, Bruce Pub. Co., 1935. 88 p.
- Romanoff, A. L.** The application of artificially ionized air. *Science* v. 81 (1935): 536-7.
- Influence of incubation temperature on hatchability of eggs, post-natal growth and survival of turkeys. *Journ. agric. science* v. 25 (1935): 318-323.

- Electrical conductivity of yolk, albumen, allantoic and amniotic fluid of the developing birds' eggs. A. L. Romanoff and H. J. Grover. *Journ. cell. & comp. physiol.* v. 7 (1936): 425-431.
- Can we get a perfect hatch? *Canad. poultry revu.* v. 60, no. 2 (1936): 28.
- What temperature and humidity should we have in our incubator? *Ibid.* v. 60 (1936): 75.
- Embryonic mortality and the perfect hatch. *U. S. egg & poultry mag.* v. 42 (1936): 238-239.
- Incubation of game birds eggs. *N. Y. St. Conserv. Dept. 25th ann. rep't.* no. 38 (1936): 330-331.
- Thermal effect on the rate and duration of the embryonic heart beat of *Gallus domesticus*. A. L. Romanoff and Max Sochen. *Anat. rec.* v. 65 (1936): 59-68.
- Rosensohn, Meyer.** Use and abuse of Caesarean section. *Med. rec.* v. 142, no. 8 (1935): 369-372.
- The toxemias of pregnancy. *Ibid.* v. 143, no. 7 (1936): 289-292.
- Rosevear, F. B.** Sciencecraft mineralogy manual. Hagerstown, Md., Porter Chem. Co., 1935. 143 p.
- Ross, H. E.** Practical examples in dairy arithmetic. H. E. Ross and E. S. Guthrie. *Cornell ext. bull.* 129, rev. (Nov., 1935): 43 p.
- Ryan, T. A.** Neural resources of psychological performance. *Amer. journ. psych.* v. 48 (1936): 193-220.
- Sackett, N. B.** The prognosis of cancer of the cervix treated by irradiation. *N. Y. St. journ. med.* v. 35 (1935): 1153-58.
- Samuels, Bernard.** The New York Eye and Ear Infirmary: a historical sketch. *Arch. ophth.* v. 14 (Dec., 1935): 896-908.
- Notes on the pathology and surgical treatment of sympathetic ophthalmia. *Ibid.* v. 15 (Jan., 1936): 59-70.
- The Royal London Ophthalmic Hospital: a visit to the King George V extension. *Ibid.* v. 15 (Feb., 1936): 185-195.
- Chronic postoperative or post-traumatic retinitis (retinitis serosa). *Amer. Ophth. Soc. Trans.* v. 33 (1935): 291-306.
- Recessus hyaloideo-capsulare. *Ophth. Soc. United Kingdom. Trans.* v. 55 (1935): 507-22.
- Deficiencies in training in anatomy and pathology in ophthalmology. *Amer. Acad. Ophth. & Otolaryng. Bull.* v. 4 (Nov., 1935): 21-25.
- Sanderson, Dwight.** Status of and prospects for research in rural life under the New Deal. *Amer. journ. sociol.* v. 41 (1935): 180-193.
- Sayre, C. B.** Rates of solution and movement of different fertilizers in the soil and the effects of the fertilizers on the germination and root development of beans. C. B. Sayre and A. W. Clark. *N. Y. St. Agric. Exp. Sta., Geneva, N. Y. Tech. bull.* 231 (Aug., 1935): 67 p.
- Fertilizer placement for cannery peas. C. B. Sayre and G. A. Cumings. *N. Y. St. Agric. Exp. Sta., Geneva, N. Y. Bull.* 659 (Jan., 1936): 30 p.
- Schloss, O. M.** Immune reactions induced in infants by intestinal absorption of incompletely digested cow's milk protein. O. M. Schloss and others. *Amer. journ. dis. child.* v. 51 (1936): 562-574.
- Schmidt, Nathaniel.** Ethiopia. *Standard* v. 22, no. 2 (Nov., 1935): 51-52.
- Schroeder, L. C.** Importance of prevention in pediatrics. *N. Y. med. week* (Aug. 10, 1935).
- For a broader interpretation of the term "Cripple." *Better times* (Mar., 1936).
- Scott, R. J.** Clothing for children. *Cornell ext. bull.* 328 (Aug., 1935): 28 p.
- Scoville, G. P.** An economic study of grape farms in eastern United States. Part II. Harvesting and marketing. *Cornell Univ. Agric. Exp. Sta. Bull.* 628 (Apr., 1935): 46 p.
- Economic study of apple varieties and fruit farms. *Agric. econ.* 108 (Jl., 1935): 18 p.

- Relative profitableness of apple varieties in western New York. *Ibid.* 110 (Aug., 1935): 12 p.
- Wholesale New York City apple prices by varieties. *Ibid.* 115 (Nov., 1935): 49 p.
- Apple varieties in New York State. *Ibid.* 120 (Jan., 1936): 19 p.
- Some successful farms in 1935. *Ibid.* 126 (Feb., 1936): 26 p.
- Factors affecting yields, costs, and returns, Champlain Valley apple orchards, 1933. *Ibid.* 137 (Je., 1936): 40 p.
- Marketing the 1934 apple crop, Newfane-Olcott area, Niagara County, New York. *Ibid.* 138 (Je., 1936): 23 p.
- Factors affecting the returns from farming, Newfane-Olcott area, Niagara County, New York, 1934-35. *Ibid.* 139 (Je., 1936): 16 p.
- Senn, M. J. E.** The effects of a gelatin hydrating solution on the newborn. *Journ. pediat.* v. 7 (1935): 352-357.
- Senning, W. C.** Stocking policy for streams, lakes and ponds of the Mohawk-Hudson watershed. C. W. Green and W. C. Senning. *N. Y. St. Conserv. Dept. Suppl. to ann. rep't. Biol. survey no. 9 (1934): 24-62.*
- Sharp, P. F.** Period of lactation and the direct titratable chloride value of milk. E. B. Struble and P. F. Sharp. *Journ. dairy science* v. 18 (1935): 527-538.
- Effect of lipolysis on the churnability of cream obtained from milk of cows in advanced lactation. V. N. Krukovsky and P. F. Sharp. *Ibid.* v. 19 (1936): 279-284.
- Shaw, R. W.** Ultra-violet stellar spectra with aluminum-coated reflectors. III. The spectrum of α Lyrae. *Astrophys. Journ.* v. 82, no. 1 (Jl., 1935): 87-94.
- Ultra-violet stellar spectra with aluminum-coated reflectors. IV. The spectrum of α Boötis. *Ibid.* v. 83, no. 3 (1936): 225-237.
- Sherman, J. M.** Concerning the habitat of *Streptococcus lactis*. Pauline Stark and J. M. Sherman. *Journ. bact.* v. 30 (1935): 639-646.
- The rate of growth of Rhizobia. G. M. Cameron and J. M. Sherman. *Ibid.* v. 30 (1935): 647-650.
- The bactericidal properties of certain plant juices. J. M. Sherman and H. M. Hodge. *Ibid.* v. 31 (1936): 96.
- The predominating streptococci in normal human throats. C. E. Safford and J. M. Sherman. *Ibid.* v. 31 (1936): 572.
- An unnoted hemolytic streptococcus associated with milk products. J. M. Sherman and H. U. Wing. *Journ. dairy science* v. 18 (1935): 657-660.
- Determination of the efficiency of pasteurization and plant contamination by tests for colon bacteria. *Internat. Assoc. Milk Dealers. Proc. Lab. Sect.* v. 28 (1935): 51-59.
- Shuck, A. L.** The favorable influence of a moist substratum for the germination of seeds. *Assoc. Official Seed Analysts of North Amer. Proc.* (1935): 60-61.
- Some suggestions for testing the viability of hard seeds. *Ibid.* (1935): 62.
- Sibley, R. P.** Report of the Acting Dean of the College of Arts and Sciences, 1934-35. *Cornell Univ. Off. pub.* v. 27, no. 4. *App. III.* 1935.
- Slate, G. L.** Suggestions for the breeding of nut trees. *Northern Nut Growers' Assoc. Rep't.* v. 26 (1935): 36-41.
- Smart, H. R.** *Associate editor.* Philosophical review, 1935-1936.
- Smith, C. H.** Leucemia in childhood with onset simulating rheumatic disease. *Journ. pediat.* v. 7 (1935): 390-400.
- Smith, E. Y.** Tobacco dust for worm control. *Turkey world* v. 10, no. 6 (1935): 6, 32.
- Killing, dressing and packing turkeys. *Ibid.* v. 10, no. 10 (1935): 10, 11, 31, 32.
- Modernize turkey type. *Ibid.* v. 10, no. 11 (Nov., 1935): 12.
- The turkey situation and outlook in the Northeast. *Ibid.* v. 11, no. 5 (1936): 11, 34.
- King of Cortland County turkey growers. *Ibid.* v. 11, no. 6 (1936): 12, 13, 32, 33, 34.
- Dressing turkeys. *New Engl. poultryman* v. 22, no. 1 (Jan., 1936): 9.

- Smith, M. K.** The abdominal wall. *Christopher, Frederick. A text book of surgery. Phila., W. B. Saunders Co., (1936): 1064-1075.*
- Smith, Ora.** Potato nutrition and soil fertility studies in 1935. *Amer. potato journ. v. 13 (1936): 44-52.*
- Handling and storage of seed and table stock potatoes. *Ohio Vegetable Growers' Assoc. Proc. v. 21 (1936): 112-116.*
- The relation of soil reaction to yield and market quality of potatoes. *Ibid. v. 21 (1936): 123-127.*
- Pollination and life history studies of the tomato (*Lycopersicon esculentum* Mill.). *Cornell Univ. Agric. Exp. Sta. Mem. 184 (1935): 39 p.*
- Effect of light on carotenoid content of tomato fruits. *Ibid. 187 (1936): 25 p.*
- Effect of soil reaction on yield and market quality of potatoes. Ora Smith and G. C. Moore. *Amer. Soc. Hort. Science. Proc. v. 33 (1936): 563-565.*
- Fertilizer placement studies with potatoes on Long Island. G. V. C. Houghland and Ora Smith. *Nat'l. Fertilizer Assoc. Nat'l. Joint Com. on Fertilizer Application. Proc. v. 11 (1936): 28-32.*
- The relation of soil reaction to yield and market quality of potatoes. *N. Y. St. Vegetable Growers' Assoc. Bull. v. 15 (1936): 5-7.*
- Curing cut seed potatoes. *Erie County Farm Bureau news v. 22 (1936): 11.*
- Smith, O. R.** The eggs and egg-laying habits of North American mayflies. J. G. Needham, and others. *The biology of mayflies. Ithaca, N. Y., Comstock Pub. Co., (1935): 67-89.*
- The Caledonia shrimp *Dikerogammarus*. *Amer. Fisheries Soc. Trans. v. 63 (1933): 120-128.*
- Smith, Preserved.** The controversy over evolution in New England. *New Engl. quart. v. 8 (1935): 398-99.*
- *Reviews:* Allen. Erasmus. *Amer. hist. revw. v. 40 (1935): 550;* Allen. Opus epistolarum Erasmi. *Ibid. v. 41 (1936): 126;* Imbart de la Tour. Les origines de la Réforme. *Ibid. v. 41 (1936): 527.*
- Snyder, Virgil.** John Irwin Hutchinson—in memorium. *Amer. Math. Soc. Bull. v. 42 (1936): 164.*
- *Review:* Encyklopädie III 2.7-13. Virgil Snyder and others. *Ibid. v. 42 (1936): 5-10.*
- Southard, F. A., jr.** Canadian-American industry. Herbert Marshall and others. New Haven, Yale Univ. Press, 1936. xiii, 360 p.
- L'exportation de capitaux américains depuis 1929. *Revue econ. internat. v. 2, no. 2 (May, 1935): 5-19.*
- Spencer, Leland.** Some factors affecting United States imports of butter. *Farm econ. no. 91 (Oct., 1935): 2217-2220.*
- The variability of milk prices. *Ibid. no. 91 (Oct., 1935): 2220-2221.*
- The spread between farm and retail prices for milk. *Amer. Inst. Cooperation. Amer. cooperation (1935): 484-502.*
- The spread between farm and retail prices for milk. *Amer. cream. & poultry prod. revw. v. 80, no. 17 (Aug. 28, 1935): 556-561.*
- The spread between farm and retail prices for milk. *Milk dealer v. 25, no. 1 (Oct., 1935): 72-78.*
- The spread between farm and retail prices for milk. *Hoard's dairyman (Mar. 10, 1936): 114, 134, 135; and (Apr. 10, 1936): 176-178.*
- Prices of cows, milk and feed. *Amer. agric. v. 132 (Sept. 28, 1935): 15.*
- Cow prices in New York and other states. *Ibid. v. 132 (Oct. 12, 1935): 15.*
- Ups and downs in cow prices. *Ibid. v. 132 (Oct. 26, 1935): 15.*
- Analyzing September milk prices. *Ibid. v. 132 (Nov. 9, 1935): 17.*
- Why milk checks are not bigger. *Ibid. v. 132 (Nov. 23, 1935): 17.*
- Canadian cream. *Ibid. v. 132 (Dec. 7, 1935): 15.*
- Measuring the milk dealers' spread. *Ibid. v. 132 (Dec. 21, 1935): 15.*
- Profits in milk distribution. *Ibid. v. 133 (Jan. 4, 1936): 15.*
- Costs and profits in a quart of milk. *Ibid. v. 133 (Feb. 1, 1936): 17.*
- Costs of handling milk in country plants. *Ibid. v. 133 (Feb. 15, 1936): 18.*

- Milk transportation costs. *Ibid.* v. 133 (Mar. 14, 1936): 23.
- Cost of pasteurizing and bottling milk. *Ibid.* v. 133 (Mar. 28, 1936): 15.
- Milk bottle costs. *Ibid.* v. 133 (Apr. 11, 1936): 19.
- Milk delivery costs. I-II. *Ibid.* v. 133 (Apr. 25, 1936): 15, and (May 9, 1936): 19.
- Paper milk bottles. *Ibid.* v. 133 (May 23, 1936): 15.
- Research in costs of distributing milk. *Journ. farm econ.* v. 18 (May, 1936): 338-351.
- Determining a fair spread for distribution. (Mimeographed.) *Middle States Conf. on Milk Control. Proc.* (Dec. 9 and 10, 1935): 69-81.
- Spofford, W. R.** Falconry at Woods Hole. *Collecting net* v. 10 (1935): 262.
- Stainsby, W. J.** The therapeutic effects following interruption of the sympathetic nerves. Report on the alcohol block in certain arthritic and vascular cases. R. H. Patterson and W. J. Stainsby. *Ann. surg.* v. 103 (1936): 514-531.
- Stander, H. J.** Maternal and fetal mortality in the United States. *Amer. Journ. surg.* v. 29 (1935): 218-225.
- Starr, C. G., jr.** Subsidization of athletes. *Class. Journ.* v. 31 (1935): 444-445.
- *Reviews:* Barrow. Select latin inscriptions. *Ibid.* v. 31 (1935): 383; Marsh. History of the Roman world from 146 to 30 B.C. *Ibid.* v. 31 (1935): 564-5; Meritt and West. The Athenian assessment of 425 B.C. *Ibid.* v. 31 (1935): 110-111.
- Steffen, G. I.** The desiccation of sera and other biological products (including microorganisms) in the frozen state with the preservation of the original qualities of products so treated. W. J. Elser and others. *Journ. immunol.* v. 28 (1935): 433-473.
- Stevens, A. R.** Urologic diagnosis. In *Christopher, Frederick, ed. Textbook of surgery by American authors.* Phila., W. B. Saunders Co. (1936): 1408-12.
- Bilateral urinary calculi. *Amer. Med. Assoc. Journ.* v. 104 (Apr. 13, 1935): 1289-1295.
- Traumatic rupture of the urethra. W. R. Delzell and A. R. Stevens. *Journ. urol.* v. 34, no. 5 (Nov., 1935): 372-383.
- Schistosomiasis involvement of the upper urinary tract. *Amer. Assoc. Genito-Urinary Surgeons. Trans.* v. 28 (1935): 275-283.
- Stevens, R. S.** Corporations. St. Paul, Minn., West Pub. Co., 1936, xvi, 946 p.
- Uniform corporation law through interstate compact and federal legislation. *Mich. law rev.* v. 34, no. 8 (1936): 1063-92.
- Stewart, F. C.** A potato seed plat roguing experiment. *N. Y. St. Agric. Exp. Sta., Geneva, N. Y. Bull.* no. 655 (1935): 10 p.
- The relative vigor and productivity of potato plants from basal and apical sets cut from tubers in different stages of sprouting. *Ibid.* no. 658 (1936): 18 p.
- Stewart, R. M.** Adjusting the training program for teachers of rural youth. *Agric. educ.* v. 7 (1935): 163-164 and v. 8 (1935): 21, 67-68.
- Summaries of studies in agricultural education. R. M. Stewart and others. Wash., D. C., Govt. Printing Office, 1935. i-v, 196 p.
- Stillman, R. G.** The significance of laboratory tests and methods. *N. Y. St. Journ. med.* v. 35, no. 15 (Aug., 1935): 757-766.
- Stimson, P. M.** Recent developments in the common contagious diseases. *Med. clin. N. A.* v. 19 (1935): 731-744.
- A manual of the common contagious diseases. 2nd ed. Phila., Lea & Febiger, 1936. 439 p.
- Stockard, C. R.** Giant skin growth on mammals of normal size. *Science* v. 82 (1935): 538-539.
- Defective endocrine glands associated with structural disharmonies and lethal reactions. *Anat. rec.* v. 64, no. 3, suppl. (1936): 47-48.
- Oestrus and ovulation. *Encyclopaedia sexualis. Med. revw. revw.* (1936): 566-575.

- An hereditary lethal for localized motor and preganglionic neurones with a resulting paralysis in the dog. *Amer. journ. anal.* v. 59 (1936): 1-55.
- Stubenbord, W. D.** Leukonychia totalis. Report of a case. J. G. Stubenbord and W. D. Stubenbord. *Arch. dermat. & syphilol.* v. 32 (Nov., 1935): 761-763.
- Sugg, J. Y.** Diphtheria antitoxin in the milk of a highly immune mother. *Amer. journ. hygiene* v. 22 (1935): 227-232.
- Diphtheria toxoid-antitoxin floccules prepared with human antitoxic serum. *Ibid.* v. 22 (1935): 398-405.
- Summerson, W. H.** A variable layer photoelectric comparison photometer. Arnoldus Goudsmit, jr. and W. H. Summerson. *Journ. biol. chem.* v. 111 (1935): 421-433.
- Sumner, J. B.** Concanavalin A and hemagglutination. J. B. Sumner and others. *Science* v. 82 (1935): 65-66.
- The non-identity of jack bean agglutinin with crystalline urease. J. B. Sumner and S. F. Howell. *Journ. immunol.* v. 29 (1935): 132-134.
- The isolation of a fourth crystalline jack bean globulin through the digestion of canavalin with trypsin. J. B. Sumner and S. F. Howell. *Journ. biol. chem.* v. 113 (1936): 607-610.
- The identification of the hemagglutinin of the jack bean with concanavalin A. J. B. Sumner and S. F. Howell. *Journ. bact.* v. 32, no. 2 (Aug., 1936): 227-37.
- Sutton, G. M.** The blue goose and lesser snow goose on Southampton Island, Hudson Bay. *Auk.* v. 48 (1931): 335-364.
- Nesting of Harris's sparrow (*Zonotrichia querula*) at Churchill, Manitoba. G. M. Sutton and J. B. Semple. *Ibid.* v. 49 (1932): 166-183.
- Notes on the molts and sequence of plumages in the old-squaw. *Ibid.* v. 49 (1932): 42-51.
- Deposition of eggs in time of snow-storm. *Ibid.* v. 49 (1932): 366-367.
- A new Bewick's wren from the western Panhandle of Oklahoma. *Ibid.* v. 51 (1934): 217-219.
- Hudsonian curlew in the West Virginia Panhandle. *Ibid.* v. 51 (1934): 231.
- Little blue heron and American egret in the West Virginia Panhandle. *Ibid.* v. 51 (1934): 226.
- A new blue jay from the western border of the Great Basin. *Ibid.* v. 52 (1935): 176-177.
- Notes on the breeding range of the black pigeon hawk. *Ibid.* v. 52 (1935): 79-80.
- An abnormally plumaged cardinal. *Ibid.* v. 52 (1935): 314.
- A year at Southampton Island. *Carnegie mag.* v. 4 (1931).
- The Harris's sparrow's eggs. *Ibid.* v. 5 (1931): 105-6.
- An expedition to British Columbia. *Ibid.* v. 8 (1935): 297-301.
- The status of the goshawk in Pennsylvania. *Wilson bull.* v. 43 (1931): 108-113.
- A double Baltimore oriole's nest. *Ibid.* v. 46 (1934): 125-126.
- Notes on birds observed along the west coast of Hudson Bay. *Condor* v. 33 (1931): 154-159.
- Notes on a collection of birds from Mansel Island, Hudson Bay. *Ibid.* v. 34 (1932): 41-43.
- A year on Southampton Island. *Cardinal* v. 3 (1931): 1-5.
- Birds of the West Virginia Panhandle. *Ibid.* v. 3 (1933): 101-124.
- Feeding habit of the yellow-billed cuckoo. *Ibid.* v. 3 (1932): 92-93.
- An expedition to Churchill, Hudson Bay. *Ibid.* v. 3 (1932): 65-67.
- Bird-notes from the West Virginia Panhandle. *Ibid.* v. 4 (1934): 200-202.
- An expedition to the Big Bend country. *Ibid.* v. 4 (1935): 1-7.
- The exploration of Southampton Island, Hudson Bay. Part I (Prefatory, introductory, bibliography). *Carnegie Museum. Mem.* v. 12 (1932): 1-69.
- The birds of Southampton Island. *Ibid.* v. 12 (1932): 1-267.
- The mammals of Southampton Island. G. M. Sutton and W. J. Hamilton, jr. *Ibid.* v. 12 (1932): 1-107.

- A new Arctic weasel from Southampton Island, Hudson Bay. G. M. Sutton and W. J. Hamilton, jr. *Carnegie Museum. Annals v. 21 (1932): 79-81.*
- The birds of Churchill, Manitoba. G. M. Sutton and P. A. Tavener. *Ibid. v. 23 (1934): 1-83.*
- Notes on the birds of the Western Panhandle of Oklahoma. *Ibid. v. 24 (1934): 1-50.*
- Quaint folk, the Eskimos. *Atlan. mo. v. 150 (1932): 57-63.*
- Eskimo year. N. Y., Macmillan Co., 1934. xii, 321 p.
- A new red-tailed hawk from Texas. G. M. Sutton and Josselyn Van Tyne. *Mich. Univ. Museum of Zool. Occas. papers, no. 321 (1935) 1-6.*
- The juvenal plumage and postjuvenal molt in several species of Michigan sparrows. *Cranbrook Inst. Science. Bull. 3 (1935): 1-36.*
- Sutton, J. E., jr.** High temperature liver death syndrome. *Soc. Exp. Biol. & Med. Proc. v. 32 (1935): 712-713.*
- The diagnosis of chronic cholecystitis and cholelithiasis. *Med. clin. North Amer. v. 19 (Nov., 1935): 641-648.*
- Acute post operative necrosis of the liver. (So called high temperature liver death syndrome.) *Amer. journ. med. sciences v. 192 (Aug., 1936): 219-24.*
- Switzer, F. G.** Advanced mechanics. F. G. Switzer and E. H. Wood. Ithaca, N. Y. College of Engineering, 1934. 88 p.
- Notes and problems for engineering mathematics. Ithaca, N. Y., Coll. Eng., 1933. 19 p.
- Strength of materials. F. G. Switzer and E. H. Wood. Ithaca, N. Y., Coll. Eng. 1936. 63 p.
- Taylor, F. L.** Syphilis, its diagnosis and treatment. Leo Spiegel and others. N. Y., Health Dept., 1935. 15 p.
- Tenney, E. A.** The elements and practice of composition. E. A. Tenney and William Strunk. N. Y., Harcourt, Brace & Co., 1935. 156 p.
- Thomas, C. K.** Pronunciation in upstate New York. *Amer. speech v. 10 (1935): 208-212, 292-297; v. 11 (1936): 68-77, 142-144.*
- Representative transcriptions of a short narrative as spoken in various upstate counties of New York. *Ibid. v. 10 (1935): 214, 300.*
- A specimen from Tioga County, Pennsylvania. *Maître phonétique 3rd ser., no. 54 (1936): 28-29.*
- *Reviews:* Horwill. A dictionary of modern American usage. *Quart. journ. speech v. 21 (1935): 596;* Thorndike. The Thorndike-Century junior dictionary. *Ibid. v. 21 (1935): 596-597;* Carr. The German influence on the English vocabulary. *Ibid. v. 22 (1936): 311;* Clark. The Dutch influence on the English vocabulary. *Ibid. v. 22 (1936): 311;* Sakuma and Takamatsu. Contribution à l'étude expérimentale d'une consonne Japonaise [r]. *Ibid. v. 22 (1936): 311-312;* Barrows and Pierce. The voice: how to use it. *Ibid. v. 22 (1936): 327-328;* Kenyon. American pronunciation. 6th ed. *Ibid. v. 22 (1936): 328-329.*
- Thomas, R. A.** The desiccation of sera and other biological products (including microorganisms) in the frozen state with the preservation of the original qualities of products so treated. W. J. Elser and others. *Journ. immunol. v. 28 (Je., 1935): 433-473.*
- *Abstract:* Studies of streptococcus zymogenes. W. J. Elser and R. A. Thomas. *Journ. bact. v. 31 (Jan., 1936): 79.*
- Thompson, G. J.** A treatise on the law of contracts. Samuel Williston and G. J. Thompson. Rev. ed., vols. 1-2. N. Y., Baker, Voorhis & Co., 1936.
- Thompson, H. C.** Kitchen garden. *Garden dict. N. Y., Houghton Mifflin Co. (1936): 412-420.*
- Soils. *Ibid. (1936): 743-745.*
- Torrey, J. C.** Comparative observations on streptococci from human gastrointestinal ulcerations and from bovine mastitis. J. C. Torrey and Elizabeth Montu. *Journ. infect. dis. v. 58 (1936): 105-114.*

- Immunizing values of single cell S → R derivatives of a virulent B. coli strain. *Journ. immunol. v. 29 (1935): 64.*
- Traut, H. F.** The significance of pyeloureteritis in the pregnant and parturient woman. *Health examiner (Jul., 1935).*
- Irregular shedding and irregular ripening of the endometrium. H. F. Traut and Alberta Kuder. *Surg., gynec. & obst. v. 61 (1935): 145-154.*
- Physiological changes in the ureter associated with pregnancy. H. F. Traut and C. M. McLane. *Ibid. v. 62 (1936): 65-72.*
- Travell, Janet.** The vaso-depressor effect of strychnine after ether, alcohol, barbital or chloral. Harry Gold and Janet Travell. *Arch. internat. pharmacodyn. et de therap. v. 50 (1935): 1-14.*
- Tressler, D. K.** Vitamin C content of vegetables. I. Spinach. D. K. Tressler and others. *Food research v. 1 (1936): 3-7.*
- Preservation of grape juice. II. Factors controlling the rate of deterioration of bottled Concord grape juice. D. K. Tressler and C. S. Pederson. *Ibid. v. 1 (1936): 87-97.*
- Manufacture of champagne and sparkling burgundy. F. M. Champlin and others. *Indust. & eng. chem. v. 27 (1935): 1240-1243.*
- Freezer burn on refrigerated poultry. *U. S. egg & poultry mag. v. 41, no. 9 (1935): 33-36, 38, 40, 42, 44, 46, and v. 41, no. 10, (1935): 38-41.*
- The technique of determining moisture vapor transmission through papers and boards. D. K. Tressler and C. F. Evers. *Paper trade journ. v. 101, no. 10 (1935): 33-35.*
- Beverages from rhubarb. W. F. Walsh and D. K. Tressler. *Fruit products journ. v. 15 (1936): 262-263.*
- Manufacture of blackberry and other berry wines. *Glass packer v. 15 (1936): 248-250.*
- Troy, H. C.** Quantitative determination of lactic acid in dairy products. H. C. Troy and P. F. Sharp. *Cornell Univ. Agric. Exp. Sta. Mem. 179 (1935): 49 p.*
- True, Virginia.** Book design and illustration. *Design mag. v. 37, no. 4: 15.*
- Manual of crafts. Boulder, Colo., The author, 1935. 56 p.
- Tucker, H. I.** The Atlantic and Gulf Coast Tertiary Pectinidae of the United States. Section I (*Pecten*, s.s.). *Amer. midland naturalist v. 17, no. 2 (1936): 471-490.*
- Tukey, H. B.** Rootstocks for fruit trees. *Amer. fruit grower v. 55, no. 11 (1935): 5, 13, and v. 55, no. 12 (1935): 9-10, 14.*
- The problem of better rootstocks for fruit trees. *N. Y. St. Hort. Soc. Proc. v. 81 (1936): 150-156.*
- How a new variety of apple originates. *Ibid. v. 81 (1936): 209-213.*
- Observations on fruit growing in England and France of interest to eastern orchardists. *N. Y. St. Hort. Soc. Proc. v. 81 (1936): 129-135, and Conn. Pomol. Soc. Proc. v. 45 (1935): 50-55.*
- What yield of rooted shoots may be expected from mother plantations of malling apple and quince rootstocks? H. B. Tukey and K. D. Brase. *Amer. Soc. Hort. Science. Proc. v. 33 (1936): 338-345.*
- Random notes on fruit tree rootstocks and plant propagation, II. H. B. Tukey and K. D. Brase. *N. Y. St. Agric. Exp. Sta. Geneva, N. Y. Bull. 657 (1935): 26 p.*
- Turk, K. L.** The nutritive value of the proteins of corn gluten meal, linseed meal, and soybean oil meal. K. L. Turk and others. *Journ. agric. research v. 51, no. 5 (1935): 401-412.*
- Tyler, H. S.** The relation of land class and roads to rural mail delivery service in Chenango County. *Farm econ. no. 93 (Feb., 1936): 2286-7.*
- Rural electrification in Chenango County, New York. Mimeographed report. *AE 118. (Dec., 1935): 11 p.*
- Land utilization and classification in New York State. Mimeographed report. H. S. Tyler and T. E. LaMont. *Ibid. 119. (Dec., 1935): 31 p.*
- Udall, D. H.** The practice of veterinary medicine. 2d ed. Ithaca, N. Y., The author, 1936. 281 p.

- Bovine mastitis. *Amer. Vet. Med. Assoc. Journ.* v. 88 (1936): 289-297.
- Vistreich, Fernand.** Modification of the Jackson bronchoscope to permit retrograde inspection of the bronchi of the upper lobes. *Arch. otolaryng.* v. 22 (Nov., 1935): 634-636.
- von Engeln, O. D.** Scandinavian cities: Oslo. *Journ. geog.* v. 35 (1936): 15-17.
- Scandinavian cities: Copenhagen and Bergen. *Ibid.* v. 35 (1936): 54-59.
- Scandinavian cities: Helsingfors and Stockholm. *Ibid.* v. 35 (1936): 147-154.
- *Abstract:* Flood erosion. *Geol. Soc. Amer. Preliminary list of titles and abstracts of papers to be offered at the forty-eighth annual meeting.* (1935): 36.
- *Discussion:* Flint, R. F. Glacial features of the southern Okanogan region. *Geol. Soc. Amer. Bull.* v. 46 (1935): 2016-2017.
- Waage, F. O.** Greek bronze coins from a well at Megara. *Amer. Numismatic Soc. Numismatic notes & monogr.* no. 70 (1935): 42 p.
- Wagner, R. H.** Handbook of argumentation. N. Y., Thos. Nelson & Sons, 1936. vii, 167 p.
- *Review:* Glaser. On the teaching of junior high school English. *Quart. journ. speech* v. 21 (Nov., 1935): 597-598.
- Wall, J. H.** A study of alcoholism in men. *Amer. journ. psychiat.* v. 92, no. 6 (May, 1936): 1389-1401.
- Walsh, W. F.** Beverages from rhubarb. W. F. Walsh and D. K. Tressler. *Fruit prod. journ.* v. 15, no. 9 (1936): 262-263.
- The bleaching and processing of maraschino-type cherries. (Mimeographed.) Geneva, N. Y., N. Y. St. Agric. Exp. Sta., 1936. 7 p.
- Walzer, Matthew.** Absorption of undigested proteins in human beings. IV. Absorption of unaltered egg protein in infants and children. S. J. Wilson and Matthew Walzer. *Amer. journ. dis. child.* v. 50 (1935): 49-54.
- Studies in absorption of undigested proteins in human beings. V. A new technic for quantitatively studying the absorption and elimination of antigens. (Preliminary report.) Abraham Walzer and Matthew Walzer. *Journ. allergy* v. 6 (1935): 532-538.
- Studies in absorption of undigested proteins in human beings. VI. The absorption of unaltered protein from the abnormal gastro-intestinal tract. Irving Gray and Matthew Walzer. *Amer. Gastro. Enterol. Assoc. Trans.* (1935).
- The mechanism of the paroxysm in bronchial asthma. *Lancet* v. 56 (1936): 117.
- Warburg, Bettina.** *Abstract:* Wälder. Etiology and evolution of the collective psychoses. *Psychoanal. quart.* v. 4 (1935): 633-639.
- Ward, G. G.** J. Marion Sims. *N. Y. Acad. Med. Bull.* v. 10, no. 12 (1934): 722-724.
- Marion Sims and the origin of modern gynecology. *Ibid.* v. 12, no. 3 (Mar., 1936): 93-104.
- Radium therapy of carcinoma of the cervix uteri. G. G. Ward and N. B. Sackett. *Surg., gynec. & obst.* v. 60 (1935): 495-499.
- A study of obstetrical complications in the Woman's Hospital, N. Y., to establish proper standardization for statistical purposes. G. G. Ward and others. *Amer. Coll. surgeons. Bull.* v. 19 (Mar., 1935): 9-11.
- What you should know about cancer. Radio broadcast over station WEAf under auspices of New York City Cancer Committee. Nov. 7, 1935.
- Cancer of the cervix: etiology and prevention. *Med. rec.* v. 142 (Dec. 18, 1935): 547-550.
- An evaluation of radiotherapy for carcinoma of the uterus after fifteen years' experience at the Woman's Hospital. *South. med. journ.* v. 29, no. 3 (Mar., 1936): 282-289.
- *Reviser:* Revision on chapter IV on "Vesicovaginal fistula." Lewis, D. D., ed. *Practice of surgery* v. 10 (1934): 1-47.

- Waring, E. B.** Outside interests. *Nat'l parent teacher mag.* v. 30, no. 7 (Dec., 1935): 12-13.
- If not punishment, what? *Parents mag.* v. 11, no. 3 (Mar., 1936): 18-19, 61-62.
- Right and wrong forms of respect. *Childcraft*, Vol. 4. Chicago, W. F. Quarry & Co., 1935.
- Ten year report of studies in child development and parent education. *Cornell Univ. Agric. Exp. Sta. Bull.* 638 (1935): 69 p.
- Guidance and punishment: some contrasts. *Cornell bull. for homemakers* 334 (1935): 10 p.
- Warren, G. F.** Production and use of gold. *Amer. Inst. Cooperation. Amer. cooperation, 11th Summer Session* (1935): 578-583.
- Relation of supply of and demand for gold to commodity prices. *Ibid.* (1935): 584-594.
- Prices in various countries. *Ibid.* (1935): 595-601.
- On the way out. *Amer. agric.* v. 132 (Oct. 26, 1935): 5. 15.
- Prices of farm products. *N. Y. St. Hort. Soc. Proc. of the 81st ann. meeting* (1936): 203-206.
- Prices of gold in five countries. G. F. Warren and F. A. Pearson. *Farm econ. no. 91* (Oct., 1935): 2207-2213.
- Flexible and inflexible prices. G. F. Warren and F. A. Pearson. *Ibid.* no. 92 (Dec., 1935): 2230.
- Purchasing power of farm products in the United States. G. F. Warren and F. A. Pearson. *Ibid.* no. 92 (Dec., 1935): 2230-2231.
- World price level. G. F. Warren and F. A. Pearson. *Ibid.* no. 93 (Feb., 1936): 2254-2255.
- Production of food and feed crops. G. F. Warren and F. A. Pearson. *Ibid.* no. 93 (Feb., 1936): 2263.
- Tariff roles in farm products. G. F. Warren and F. A. Pearson. *Ibid.* no. 93 (Feb., 1936): 2263-2264.
- The building situation. G. F. Warren and F. A. Pearson. *Ibid.* no. 93 (Feb., 1936): 2265-2266.
- Poultry. G. F. Warren and F. A. Pearson. *Ibid.* no. 93 (Feb., 1936): 2266-2268.
- Causes of changes in prices of farm products. G. F. Warren and F. A. Pearson. *Ibid.* no. 93 (Feb., 1936): 2268-2272.
- Livestock on farms. G. F. Warren and F. A. Pearson. *Ibid.* no. 94 (Mar., 1936): 2294-2305.
- Relation of building to railroad freight traffic. G. F. Warren and F. A. Pearson. *Ibid.* no. 95 (May, 1936): 2318-2319.
- Discussion. Validity of the fundamental assumption underlying agricultural adjustment. *Journ. farm econ.* v. 18, no. 1 (1936): 44-48.
- Webster, Bruce.** Studies in the experimental production of simple goitre. *Intern. Conf. on Goitre in Berne. Rept.* (Aug. 10, 1933).
- The treatment of simple goitre. *Intern. clinics.* v. 2, ser. 46 (1936): 169.
- Effect of thyroidectomy and thyroid feeding on the estrus cycle in the rat. Bruce Webster and L. M. Wright. *Soc. Exp. Biol. & Med. Proc.* v. 33 (1935): 316-317.
- Effect of iodine on heat production in simple goitre. *Journ. clin. invest.* v. 15 (July., 1936): 465.
- Whetzel, H. H.** Dusting for the control of apple scab. *Ill. St. Hort. Soc. Trans.* v. 69 (1936): 217-223.
- Whitaker, A. P.** Louisiana in the treaty of Basel. *Journ. mod. hist.* v. 8 (1936): 1-26.
- White, E. A.** Principles of flower arrangement. 3rd ed. rev. N. Y., A. T. DeLamare Co., 1936. 200 p.
- Garden roses. E. A. White and others. *Cornell ext. bull.* 342 (Feb., 1936): 53 p.

- Whiteside, Horace E.** The development of the doctrine of consideration (being part of a study prepared at the direction of the New York State Law Revision Commission). *N. Y. St. Legislature. Legislative doc. (1936) no. 65 (D): 11-102.*
- The statutes of the State of New York concerning perpetuities and related matters (being a study prepared at the direction of the New York State Law Revision Commission). R. R. Powell and H. E. Whiteside. *Ibid. (1936) no. 65 (H): 19-136.*
- *Reviews:* Bogert. Trusts and trustees. *Cornell law quart. v. 21 (Feb., 1936): 385-386;* Simes. Law of future interests. *Ibid. v. 21 (Je., 1936): 681-6.*
- Wiegand, K. M.** Methods of approach in teaching taxonomy. *Science v. 83 (1936): 291-291.*
- Wiggans, R. G.** Combinations of corn and soybeans for silage. *Cornell Univ. Agric. Exp. Sta. Bull. 634 (Je., 1935): 34 p.*
- Wilber, D. T.** The effect of radiation on the excitability of smooth muscle. S. A. Guttman and D. T. Wilber. *Amer. journ. physiol. v. 115 (1936): 194-199.*
- Enhancement of muscle contraction after tetanus. S. A. Guttman and others. *Soc. Exp. Biol. & Med. Proc. v. 34 (1936): 219-221.*
- Willcox, W. F.** Herbert Elmer (Note on). *Ithaca journ. (Sept. 24, 1935): 3;* and also *Cornell alumni news v. 38 (Oct. 3, 1935): 17.*
- Cornell fears measure free speech hazard. *Ithaca journ. (Jan. 4, 1936): 1.*
- Faculty group presses Cole to oppose bill (part). *Ibid. (Jan. 24, 1936): 5.*
- Definitions of statistics. *Inst. Intern. de Statis. Revue 3e année, pt. 4 (Jan., 1936): 388-99.*
- Oath or education? *Cornell alumni news v. 38 (1936): 448.*
- Lemuel Shattuck. *Dict. Amer. biog. v. 17 (1935): 32.*
- *Review.* Thornwaite. Internal migration in the United States. *Amer. econ. revw. v. 25 (1935): 582;* Kuczynski. The measurement of population growth, methods and results. *Ibid. v. 26 (1936): 360-62.*
- Williams, W. L.** Persistence of the right, instead of the left primitive aorta in the dog, incarcerating the esophagus and causing its dilatation. H. J. Milks and W. L. Williams. *Cornell veterinarian v. 25 (1935): 365.*
- Uterus unicornis: retention of estrual secretions. W. L. Williams and M. G. Fincher. *Ibid. v. 25 (1935): 385.*
- The problem of teratology in clinical veterinary medicine. *Ibid. v. 26 (1936): 1.*
- Bent mummified fetus. *Ibid. v. 26 (1936): 76.*
- Abortion in animals. In Taussig, F. J. *Abortion, spontaneous and induced, medical and social aspects. Chapter III. St. Louis, C. V. Mosby Co., (1936): 46-70.*
- Comments on Moussu's views on Bang's disease. *North Amer. veterinarian v. 17 (Je., 1936): 33.*
- Observations upon some aspects of horse breeding. *Vet. journ. (London) v. 93 (1936): 119.*
- Wilson, B. D.** Ionic exchange of peat soils. B. D. Wilson and E. V. Staker. *Cornell Univ. Agric. Exp. Sta. Mem. 172 (1935): 13 p.*
- Genesis and composition of peat deposits. B. D. Wilson and others. *Ibid. 188 (1936): 1-13.*
- Peat and muck, character and utilization. *Cornell ext. bull. no. 320 (1935): 10 p.*
- Complex ions in relation to the electro dialysis of peat. B. D. Wilson and E. V. Staker. *Third Intern. Cong. Soil Science. Trans. v. 1 (1935): 426-428.*
- Capillary conductivity measurements in peat soils. L. A. Richards and B. D. Wilson. *Amer. Soc. Agron. Journ. v. 28 (1936): 427-431.*
- Winsor, A. L.** The antagonistic action of coffee and alcohol. A. L. Winsor and E. I. Strongin. *Journ. abnormal & soc. psychol. v. 30 (1935): 301-314.*

- Wolff, H. G.** On the site of action of acetylcholine and its significance. McKeen Cattell and H. G. Wolff. *Science* v. 82 (1935): 106-107.
- Experimental studies on headache: observations on histamine headache. Sensation: its mechanisms and disturbances. Dean Clark and others. *Assoc. Research Nerv. & Ment. Dis. Proc.* v. 15 (1935): 417-436.
- Metabolism of creatine in disease of the muscles. A. T. Milhorat and H. G. Wolff. *Arch. neurol. & psychiat.* v. 34 (1935): 880-884.
- Metabolism of creatine and creatinine in muscle disease. A. T. Milhorat and H. G. Wolff. *Ann. intern. med.* v. 9 (1936): 834-837.
- Woodbridge, M. E.** The rate of occurrence of seeds of curled dock (*Rumex crispus*) in replicate analyses of seed of orchard grass (*Dactylis glomerata*). *Internat. Seed Testing Assoc. Proc.* v. 7, no. 1 (1935): 21-26.
- Work, Paul.** Loss of weight from celery during marketing as influenced by wrapping, trimming, temperature and humidity. *Amer. Soc. Hort. Science. Proc.* v. 33 (1936): 569-578.
- Varieties of vegetables for 1936. *Cornell ext. bull.* 344 (1936): 12.
- Getting muckland crops to market. *Market growers' journ.* v. 57 (1935): 411, 414, 415.
- Paper in vegetable marketing. *Ibid.* v. 58 (1936): 214, 218, 219.
- Tomato packing in Florida. *Ibid.* v. 58 (1936): 224, 225.
- Vegetable recovery marches forward. *Ibid.* v. 58 (1936): 255, 257.
- Worthen, E. L.** Farm soils. Their management and fertilization. 2nd ed. N. Y., John Wiley & Sons, Inc., 1935. 468 p.
- What the soil conservation plan offers dairymen. Substantial payments possible. New York State practices to be approved soon. *Dairymen's League news* v. 20, no. 12 (1936): 1 & 15.
- What the soil conservation plan offers dairymen. How it applied to the New York dairy farm. *Ibid.* v. 20, no. 13 (1936): 2.
- What the soil conservation plan offers dairymen. What "good practice" will you choose and how will you carry it out? *Ibid.* v. 20, no. 14 (1936): 3 & 16.
- Seeding permanent pastures. E. L. Worthen and D. B. Johnstone-Wallace. *Agron. ext. leaflet* no. 5 (1936): 4 p.
- The improvement of New York pastures. *Ibid.* no. 6 (1936): 4 p.
- Superphosphate. *Ibid.* no. 7 (1936): 4 p.
- Seeding mixtures for hayland. *Ibid.* no. 8 (1936): 4 p.
- Wortis, S. B.** Xanthomatosis and syndrome of diabetic exophthalmic dysostosis. S. B. Wortis and others. *Amer. journ. dis. child.* v. 51 (Feb., 1936): 353-366.
- Head injuries—treatment and evaluation. *N. J. St. med. journ.* v. 32 (Jl., 1935): 341-2.
- Tumors at the base of the skull. S. B. Wortis and S. Brock. *N. Y. St. med. journ.* v. 36 (Apr. 15, 1936): 635.
- Pain: the effect of experimental thalamic lesions. S. B. Wortis and Franz Schück. *Amer. Neurol. Assoc. Trans.* v. 61 (1935): 52-54.
- The lactic acid content of the blood and the cerebrospinal fluid. S. B. Wortis and Frances Marsh. *Arch. neurol. & psychiat.* v. 35 (Apr., 1936): 717.
- The metabolism of brain, spinal cord and meningeal tissue. *Assoc. Research Nerv. & Ment. Dis. Trans.* v. 16 (1935).
- The metabolism of brain tissue V. Enzymes and vitamins in brain. *N. Y. Neurol. Inst. Bull.* (Apr., 1936).
- Wright, F. B.** Electricity in the home and on the farm. N. Y., John Wiley & Sons, Inc. 1935. 320 p.
- Wright, I. S.** The pharmacological and therapeutic properties of crystalline vitamin C (cervitamic acid) with especial reference to its effects on the capillary fragility. I. S. Wright and Alfred Lilienfeld. *Arch. int. med.* v. 57 (Feb., 1936): 241-274.
- The pharmacological and therapeutic effects of certain choline compounds. Joseph Kovacs and others. *Amer. heart journ.* v. 11, no. 1 (Jan., 1936): 53-65.

- Theobromine sodium salicylate as a vasodilator. Teresa McGovern and others. *Journ. clin. invest.* v. 15, no. 1 (Jan., 1936): 11-16.
- The treatment of chronic varicose ulcers by means of acetyl-beta-methyl-choline chloride iontophoresis. Leslie Saylor and others. *Amer. Med. Assoc. Journ.* v. 107 (Jul. 11, 1936): 114-17.
- Wylie, Margaret.** Cornell child study clubs: secretary's record book. *Cornell bull. for homemakers* 301 (Je., 1934): 20 p.
- Cornell child study clubs: suggestions for parents, teachers and others who wish to start a study group. *Ibid.* 302, rev. (Feb., 1936): 20 p.
- A reading list for parents. *Ibid.* 303, rev. (Mar., 1936): 16 p.
- Making or marring the child's personality through emotional experience. *Ibid.* 335 (Nov., 1935): 28 p.
- Yale, M. W.** Comparative fairness of single can and weight vat samples for bacterial counts used as basis of premium payment to grade A dairymen. M. W. Yale and R. S. Breed. *Intern. Assoc. Milk Dealers. Proc.* 28th ann. conv. (Oct., 1935).
- Optimum temperature of incubation for standard methods of milk analysis as influenced by the medium. M. W. Yale and C. S. Pederson. *Amer. journ. pub. health* v. 26, no. 4 (Apr., 1936): 344-349.
- The value of the colon test as a means of detecting unsanitary conditions on the farm. M. W. Yale and Richard Eglinton. *Intern. Assoc. Dairy & Milk Inspectors.* 24th ann. rept. (1935).
- The significance of colon organisms in fresh raw milk. M. W. Yale and Richard Eglinton. *N. Y. Assoc. Dairy & Milk Inspectors.* 9th ann. rept. (1935): 133.
- La pasteurisation à température élevée de courtee durée aux États-Unis. *Lait* v. 15 (1935): 466, 612, 710.
- Detecting recontamination of pasteurized milk by bacteriological methods. W. H. Chilson and others. *Journ. dairy science* v. 19, no. 5 (1936): 337-343.
- Yeomans, F. C.** Two stage operation for rectal cancer. *Ann. surg.* v. 102, no. 1 (Jul., 1935): 68-71.
- Amebic granuloma simulating carcinoma of the colon and rectum. *Amer. journ. surg.* v. 31, no. 2 (Feb., 1936): 365-371.
- Section on perirectal abscess and fistula of the rectum. *Textbook of surgery.* Phila., W. B. Saunders Co. (1936): 1257-62.
- Young, George, jr.** Report of the Dean of the College of Architecture, 1934-35. *Cornell Univ. Off. pub.* v. 27, no. 4. App. XI. 1935.

