

Cornell Alumni News

Volume 51, Number 5

November 1, 1948

Price 25 Cents



"Radio Telescope" To Tune in on "Music of the Spheres" (see page 129) Photo Science—Goldberg



THE FAMOUS NEW PHILCO THAT PLAYS *45 Minute Records!*

Here it is... the radio-phonograph music lovers everywhere are acclaiming! It plays Standard records automatically... AND plays the revolutionary new 45-minute Vinylite records. Imagine, a full symphony, all the songs of a Broadway hit, a complete program of dances... all the music of a 6-record album on one 12-inch disc! Yours with the pure, gloriously life-like tone which only the exclusive Philco Balanced Fidelity Reproducer can bring you! It's at your Philco dealer now in a wide range of new models from \$129.95* up.



PHILCO
Famous for Quality the World Over

Hear Bing Crosby on Philco Radio Time! 10 PM Wednesday in the East, 9 PM elsewhere. ABC Network and many other stations.

*Prices slightly higher Denver and West



A Gift for Father and Son

When that young fellow comes home for the Holidays, proud as a peacock, you'll probably have to prove you're not as old fashioned as he thinks!

One sure way of reminding him that you're wise in his modern ways, is to give him a Remington Electric Shaver for Christmas. He'll be delighted with its smooth, gentle shaving action and with the time he saves getting a neat, close shave free of cuts. It's a shaver he'll carry back to school and show to his friends with pride.

You'll find the 'right' shaver for your son in Remington's complete line—all equipped with the famous Blue Streak twin shaving heads, each with 40 double-edged *Diamond-Honed* cutting blades. Ask your dealer to let you try the new Contour 6—you'll be convinced that here is the shaver you *yourself* wanted all these years. No increase in prices: \$17.50 to \$23.50.

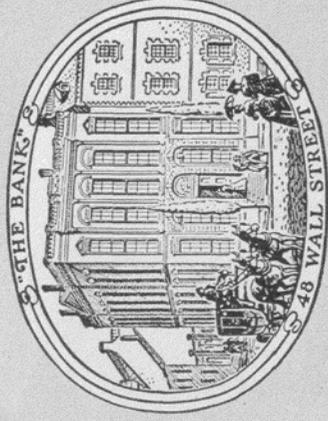
Remington Rand Inc., Electric Shaver Division, Bridgeport, Conn.—Shaver Branches in 106 Cities—See telephone directory.



A P R O D U C T

O F

Remington Rand



**BANK OF NEW YORK
AND
FIFTH AVENUE BANK**

Established 1784

•
New York's

*First Commercial
Bank*

—
Capital Funds over \$34,000,000

*48 Wall Street • 530 Fifth Avenue
63rd Street and Madison Avenue • 73rd Street and Madison Avenue*

Member Federal Deposit Insurance Corporation

CORNELL ALUMNI NEWS

Entered as second-class matter, Ithaca, N. Y. Issued twice a month while the University is in session; monthly in January, February, July, and September; not published in August. Subscription price \$4 a year.

University Celebrates Its Eightieth Anniversary

EIGHTY YEARS to the day and hour after ceremonies in Library Hall in downtown Ithaca which officially opened Cornell University, October 7, 1868, a University convocation brought some 300 members of the Faculty and other officials, students, and visiting alumni to the beautiful moot court room of Myron Taylor Hall to observe Cornell's eightieth anniversary. It marked the opening of a three-day celebration which also included dedication of the \$2,000,000 Laboratory of Nuclear Studies and meetings of the Greater Cornell Committee to launch a campaign for \$12,500,000 to meet the most urgent needs for University development.

Recalls Opening

The anniversary exercises opened at 10:13, October 7, with an invocation by Dr. John R. Mott '88, honorary chairman of the World Council of Churches and World Alliance, YMCA, and winner of the 1946 Nobel Peace Prize. President Edmund E. Day read passages from the Autobiography of the first President, Andrew D. White, describing the doubtful and incomplete state of the University at its dedication, and recalled that the opening eighty years ago was relatively recent.

"In some ways it is almost incredible," the President said, "that from those so weak beginnings, at so recent a date, there should come so great a University as has risen on this Campus." He spoke of the bond that has always existed between Cornell and the State of New York, described the University as being, from the beginning to the present day, half a private and half a public institution. The President introduced Charles D. Breitel, counsel to Governor Thomas E. Dewey and the Governor's personal representative at the anniversary celebration.

Speaking on "Cornell University and Higher Education in the State of New York," Breitel extended the felicitations of Governor Dewey and those of the State and, by inference, the people of New York to "the University in whose founding and pro-

gress they have taken so great a part."

Recalling that "Cornell came into being on the floor of the New York State Senate," Breitel described the meeting there of Senators Cornell and White and the "Cornell idea" that resulted. He traced the University's growth, stressing the State's part in that growth, from the time of early hostility and suspicion that the new educational enterprise engendered. With this background, he said, "the relation between the State and the University is neither a casual . . . nor a temporary one." He compared the recently-conceived "State University system idea of 1948" to the "Cornell idea of 1868" and assured Cornellians that their University will not suffer from the establishment of the State University system.

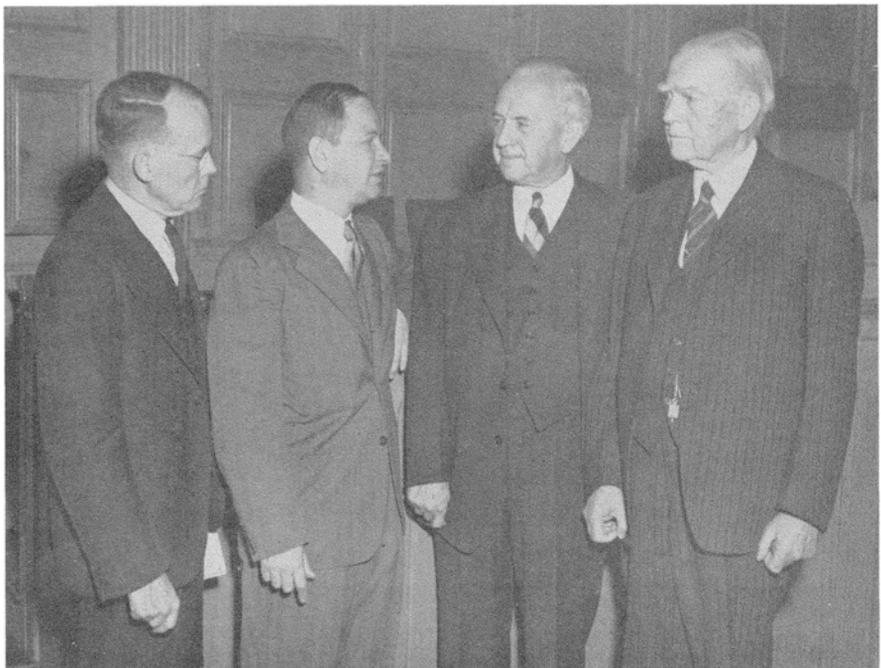
In closing, he urged Cornell University to "never think of yourselves as so private that you are separate from the State government. Never think of yourselves as so tied to government

that you cannot follow, in your own way . . . the pursuit of the newer and better that, after all, is the essence of the 'Cornell idea'."

Cushman Relates Pioneering

Professor Robert E. Cushman, Government, opened his address on "Cornell University: A Pioneer American Institution of Higher Learning," by voicing doubt that many Cornell students or alumni know much about the opening of Cornell, "or have any real appreciation of its significance." This is regrettable, he said, but, neither "unique or discreditable." Ezra Cornell and Andrew D. White, he remarked, "merely share the common lot of pioneers, men who do first, usually against terrific odds, and sometimes a bit crudely, the things which those who come after them build upon, improve, and finally come to regard as commonplace." He described Cornell University today as "a real monument to its Founders" and reminded his audience that Cornell began as a "pathbreaking enterprise in the field of higher education . . . not just another university."

Necessary to understand the real



SPEAKERS AT EIGHTIETH ANNIVERSARY CONVOCATION

Pictured in the Myron Taylor Hall moot court room are Robert E. Cushman, Goldwin Smith Professor of Government; Charles D. Breitel, counsel to Governor Thomas E. Dewey; President Edmund E. Day; and Dr. John R. Mott '88. Photo Science—Goldberg

meaning of the Cornell of 1868 is knowledge of the amazing personalities of its Founders, Professor Cushman told his listeners. Andrew D. White, a man of "vivid charm, clear vision, and driving energy . . . who at thirty-six took over the job of organizing the new University . . . [which had been] with difficulty extracted from a reluctant State Legislature," was not the "benign, venerable man" remembered by alumni. Ezra Cornell he characterized as far more dynamic than the "solemn, bewhiskered" patriarch whose bronze effigy now watches over the Quadrangle. He was a "tough-minded idealist; bankrupt at forty-seven, a millionaire at fifty-seven, he hid behind a somewhat dour personality the essential instincts of a gambler . . . he placed a value upon education that only the man who has not had much of it sometimes does . . . he had profound confidence in White, liked the new plan, and was willing to take a flier." Professor Cushman pointed out that "the opening of Cornell University was a revolutionary event" and that the apparent similarity between the University today and a host of other institutions all over the nation is a tribute to the wisdom and courage of White and Cornell whose

leadership toward a new and broader conception of college education was first reviled and scorned, but later followed by other American universities.

Among the innovations insisted upon by the Founders were freedom from control by any religious creed, a tenet which earned for the new University the epithet, "Godless"; equality of studies, which destroyed the educational monopoly long enjoyed by the classics; courses in American history, an idea that had not yet occurred to any other university; and co-education. The last item was not specifically provided for in the Charter because Cornell and White "thought it best not to disturb the New York Legislature" by mentioning that highly-controversial subject, but the two men did make sure that nothing prohibiting the admission of women got into the document and in 1869 "when a young lady won one of the State Scholarships she was promptly admitted." Cushman cited also President White's program of non-resident lecturers which augmented the Faculty, each for a term or more, with such great names as Louis Agassiz, George W. Curtis, James Russell Lowell, Bayard Taylor, Theodore Dwight, Edward A. Freeman, and James Anthony Froude.

These and other ways in which Cornell University broke new educational paths, the speaker said, were no "mere educational stunts," but parts of a design that came from "the conviction that American college . . . education needed a new charter of freedom." Just how real and welcome that freedom was Professor Cushman described in his own first impressions of Cornell. Coming here in 1923, after eight years in two large Mid-western State universities that had "a great many deans, a great many rules, a great many of the trimmings of educational bureaucracies," he discovered that the College of Arts and Sciences "was getting along, apparently quite happily, without any dean." He was especially impressed by the large amount of freedom and responsibility that each professor had with respect to his own courses "and I was to learn as time went on how firmly convinced everybody around the place was that Faculty members should be allowed to mind their own business, and how very substantial and important was the business which they were supposed to mind! . . ."

Freedom Self-perpetuating

"Ezra Cornell and Andrew D. White were pioneers in the narrow and conventional sense, since the founding of Cornell University was replete with educational innovations; but they were very much more than that," he concluded. "They were in reality super-pioneers. By building into the life of this University the principle of personal liberty and freedom of the intellectual life, by removing barriers and opening doors, they created the conditions under which pioneering at Cornell could go on forever. Their pioneering was self-perpetuating. The free life of a great university is a constant challenge to the teacher to broaden the vision and deepen the understanding of his students; it is a challenge to the scholar to extend the frontiers of human knowledge. And Cornell and White, by the composite net result of all their pioneering, made the life of Cornell University a free life.

"The unique heritage which Cornell University received from its Founders carries with it an obligation which we cannot escape or evade. That obligation is two-fold. It is the obligation first to use to the fullest extent the priceless intellectual freedom with which Ezra Cornell and Andrew D. White endowed this University to keep on pioneering in every field of human knowledge. It is the obligation, second, to make sure that that freedom is not destroyed, diminished, or even threatened."



CORNELLIANS' SONS BOLSTER FOOTBALL SQUAD

Captain Joseph F. Quinn, Jr. '49 (with ball) takes time out from early practice to pose with players who are sons of alumni. Standing, left to right, are End Frederick P. Thornton '51, son of George H. Thornton '22 of Rosemont, Pa.; Varsity End John B. Rogers '49, son of Theodore C. Rogers '16, Westfield, N. J.; Guard James B. Casey '51, son of James V. S. H. Casey '21 of Mohawk and grandson of the late Fred B. Casey '89; Captain Quinn; Varsity Fullback Jeffrey R. Fleischmann '51, son of Julian R. Fleischmann '23, Plainfield, N. J.; Guard Orrin B. Ross '51, son of Orrin F. Ross '09 of Lowville. Kneeling are Guard Joseph C. Dwyer '50, son of William J. Dwyer '16 of Cortland, and 150-pound-team Quarterback Bertram Lebhar III '51, son of Bertram Lebhar, Jr. '27, New Rochelle.

Photo Science—Loveless

Kimball, Berry Speak

That evening, at an anniversary dinner in Willard Straight Memorial Room, some 250 alumni members of the Greater Cornell Committee and members of the University traversed the four-score years and looked ahead under the guidance of Professor Dexter S. Kimball, Engineering, Emeritus, and Romeyn Berry '04. Walls of the room were hung with photographs of the work of the University, titled "Cornell Pioneers Onward." Among the guests were William G. Averitt, education editor of The New York Herald Tribune; William L. Laurence, science writer of the New York Times who has twice won the Pulitzer Prize; Howard W. Blakeslee, Associated Press science editor; and other writers here for the week end.

Introduced by Arthur H. Dean '19, chairman of the Board of Trustees executive committee, Dean Kimball showed pictures of the University, Faculty, and students as they were when he came to Cornell in 1899 and as it has since developed, with his own reminiscences and interpretations of personalities and significance.

Berry spoke on the heartening promise of Cornell today. "The fabric of a university," he said, "is woven of threads which are the lives of men. Some of these filaments are golden threads which pick out the pattern which you can see; the threads, for example, which were the lives of White, Thurston, and Corson. There are other golden threads which happily are still filling in the design, in the lives of Edmund Ezra Day and Dexter Kimball.

"But beyond these there are, and have to be, thousands of drab, inconspicuous threads which together give substance and strength and sound wearing properties to the fabric. Those threads are you and me and thousands like us, who in the formative period of our characters were permitted through the vision and benefactions of dead men to spend four years upon this Hill and take away what the place has to give, and gives abundantly and increasingly."

Noting that the University's centennial will occur in twenty years, Berry said: "Many of us, perhaps a majority, won't be here then, but twenty years are given us in which to accomplish a little in aid of those who are to carry on beyond the one-hundredth milestone; twenty years in which to weave what remains of our lives into the enduring fabric of Cornell and thereby to seize our best chance of being known and well thought of by the descendants we shall never see."

New York Herald Tribune pub-

lished the next morning an editorial, "Salute to Cornell." Pointing to the growth of the University and its "pioneering spirit" from 1868 when "there were 421 students and three lonely buildings on a pasture full of gullies," the editorial concluded:

"In the current debate on the financing of higher education, with particular reference to the assumption that public support would endanger private independence, Cornell's experience is instructive. On the Campus at Ithaca, students of the liberal arts and of engineering, beneficiaries of private resources, and students of agriculture and of home economics backed by public funds, are merged in the common life of one great University. From the success which has attended this joint undertaking in the past, an even greater achievement may be confidently anticipated in the years ahead."

Cleveland Elects

NEW officers of the Cornell Club of Cleveland, Ohio, are John R. Dingle '42, president; Thomas H. Patterson '38, vice-president; Lowell M. Rutherford '42, secretary; and Howard S. Williams '42, treasurer.

Radio Telescope 'Sees' Far

COVER picture shows the "radio telescope" designed and built by members of the Engineering College, which will shortly be operating at its site, two miles east of the Campus, to bring in and record radio waves from the sun and stars. Pictured against the seventeen-foot saucer-shaped reflector antenna and examining the driving mechanism which will keep the telescope focussed automatically on a particular planet being studied are Professor Charles L. Seeger '42, Electrical Engineering (crouching), and William E. Gordon, research associate directing the radio astronomy studies.

The eight-ton "telescope," mounted in the open on a concrete base, together with its controls and sensitive receiving apparatus in a nearby building, were designed and assembled by members of the Schools of Electrical, Mechanical, and Civil Engineering for studies supported also by the Office of Naval Research. Sounds received from visible and invisible planets will be recorded electronically in a nearby control building as inked lines on paper charts. Receiving and recording the high-frequency radio waves transmitted from outer space by the sun and stars, this radio telescope will penetrate cosmic clouds and haze impenetrable to an optical telescope; is expected to reveal much new knowledge of the universe.

Press Reports Research

Reporting a conference at the University, October 5 and 6, of American and Canadian radio astronomers and on the new apparatus, William L. Laurence in The New York Times said, "They have provided the fist scientific evidence for the existence of something along the lines of the 'music of the spheres' postulated by Pythagoras more than 2,500 years ago," and compared the importance of the apparatus to that of the optical telescope invented by Galileo, saying it promises, in effect, an entirely new sense to man's perceptions. Other science writers who inspected the apparatus here were Howard W. Blakeslee of the Associated Press; Volta Torrey, managing editor of Popular Science; Harry M. Davis, science editor of Newsweek; and Maurice English of The Pathfinder. The New York Times October 10 published an editorial, "Celestial Radio," on the findings reported here and a dispatch on Cornell's radio telescope by Waldemar Kaempffert.

"Story behind the story" of the Cornell development is that before the war, Professor Seeger, then an undergraduate in Electrical Engineering, having heard of the discovery of "celestial static" by Karl G. Jansky in 1931, became interested in its possibilities as a new field of astronomy. During the war, Seeger, still an undergraduate (he received the BEE in February, 1946, and became assistant professor the next June), was asked to teach courses in communications to the Navy V-12 students here. He became acquainted with Ralph E. Williamson and Donald A. MacRae, who were here teaching Navy courses in Navigation and Astronomy, and enlisted their interest in the astrophysical possibilities of these radio waves. When opportunity came after the war for fundamental research to be sponsored by the Office of Naval Research, the proposal of Seeger and Williamson of the possibilities to be explored in this field became the basis of the present investigations.

New York Theater Party

CORNELL Women's Club of New York plans a theater benefit performance of "Life With Mother," December 22. Proceeds will go to the Federation Scholarship Fund. Reservations are being accepted by Mrs. Harold L. Amber (Natalie Murchison) '40 at Cornell Women's Club of New York, Barbizon Hotel, Lexington and Sixty-third Street, New York City.

Greater Cornell Committee Launches \$12,500,000 Campaign

ABOUT 100 of the 365 alumni members of the Greater Cornell Committee came to Ithaca for the University's eightieth anniversary celebration and for meetings of the Committee, October 8. They were told, in morning and afternoon meetings in Olin Hall and at a University dinner in Martha Van Rensselaer Hall, of Cornell's needs and program and of plans for the campaign now launched for \$12,500,000 to meet Cornell's most pressing requirements.

A second list of urgent needs was announced, totalling \$19,500,000, to be met after this campaign is completed. This list includes an addition to the University Library and maintenance endowment, \$6,000,000; student dormitories at Ithaca \$5,000,000; sports buildings \$3,000,000; Medical College \$2,500,000; Engineering College buildings \$2,000,000; and a Student Health Building \$1,000,000. It is estimated that ultimate needs will total some \$90,000,000 for the planned long-range development of the University.

Provost Cites Responsibilities

Provost Cornelis W. DeKiewiet, speaking on "The Human and Physical Elements of Which Great Universities are Composed," said that in "the crisis in which we live . . . the university has become the center of a vital responsibility. Beside the functions of professional training and research exists the function of schooling its students in the best principles of public life. . . . We now know that a society without hope, without a sense of the future, without plans for the future that add up to happiness, welfare, and peace, can be rich in material things and yet fail to survive.

"In our scholars and teachers we must have a new excellence. It is only through men, gifted men, wise men, that the values and proportions of life can be demonstrated. A great teacher does more than impart knowledge. He is a man who also exemplifies the qualities of wisdom, hope, and responsibility. . . . I know of no human institution which can influence the modern world more constructively than a university. I know of no investment in salaries and equipment that will produce such high physical and moral dividends as those that come out of a great university. . . .

"I am altogether opposed to the concept of the university as an ivory tower. The idea is wrong and misleading. I think of teaching and research

as a great public office, as an activity quite as much in the public domain as statesmanship. . . . It is the combined function of education and politics, in the highest sense, both to advance knowledge and to draw from it the power, the beauty, the responsibility, and the happiness which knowledge can produce. . . . As our frontiers of knowledge advance, we are compelled to reinterpret, renew, replace, re-equip, retool, and modernize. In the social sciences and the humanities, the effort needed to comprehend and clarify a great economic or international issue is so considerable, and the information so complex, that the social scientist needs support as never before. . . .

"I like to think of a great modern university as a city of students and teachers. As a city, it must have the rich amenities of a city: buildings and meeting places; places to eat, sleep, and be merry; books and laboratories. . . . We are a technological society. Equipment is part of the national pattern. An important part of the student body is actually being trained to manage that equipment. It follows that the university must be at least as up-to-date as the society which it serves. Indeed, if its position is to be one of pioneering leadership, it cannot be retarded by equipment that is inefficient, or inadequate, or obsolete...."

Cites Cornellians' Results

Returning to the importance of men, Provost De Kiewiet cited problems recently solved by five members of the Cornell Faculty, detailing for each "the equipment needed to solve the problem and the significance of his solution to society." Professor Lewis Knudson, PhD '11, Botany, with equipment worth \$500, discovered how to germinate orchid seeds by feeding them in glass flasks; he "brought about a revolution in the orchid industry and added to the sum total of grace and beauty in the world." Professor Donald R. Griffin, Zoology, finding with equipment worth \$5,000 that bats avoid obstacles by means of "a natural radar, or depth-finding device," thereby "stepped right into the midst of ultrasonic physics. In association with Cornell psychologists, it was discovered that blind persons also find their way about by echo location." Professor Vincent du Vigneaud at the Medical College in New York, with equipment costing \$18,000, made synthetic penicillin, a "capital achievement in the field of

human medicine." Professor Peter Debye, Chemistry, using optical equipment worth \$1,000, determined the size and weight of large molecules which are important in rubber and the plastics and thus "greatly stimulated work in a great field of scientific and industrial enterprise and established a technique for examining the disease-producing viruses." Professor George Winter, PhD '40, Civil Engineering, with equipment costing \$22,000 of a grant of \$53,000 from the American Iron & Steel Institute, found a way to use light-gauge steel in place of wood for construction of moderate-sized buildings, resulting in "modification in scores of American cities of the building codes, permitting the use of modern, industrialized methods of house construction. The greatest manufacturer of pre-fabricated houses is making increasing use of steel. This seems to be an admirable cooperation between fundamental research and a calculated benefit to human society. A home that is inexpensive and efficient is a social instrument making for tranquility and peace."

Goes Ahead 1,000 Years

As a historian looking at the present age from the vantage point of a thousand years hence, De Kiewiet said of his audience, "you belonged to a society in which the aggregate wealth of the citizens was vastly greater than the wealth of your government. In that same age, there existed another society in which the wealth of the government was immeasurably greater than the total wealth of its citizens, and therefore no public institution of whatever sort could exist without the support of the government. But in your society reigned a concept of individual and private responsibility which led you to create and sustain great public institutions. Through the generosity of private men, great institutions flourished which advanced the frontiers of knowledge and taught the dignity of man.

"Gentlemen, you were the agents of a great and valuable principle: that free men without coercion can perform the highest public office. In that distant American society, you were a group of men who faced a difficult problem . . . of the function of private property, and the answer reached by your group was that property conferred rights that were private and duties that were public. In that age, men discovered that they grew in individual stature and personal freedom as they performed their voluntary public duties. In their society, there reigned a free enterprise in the exercise of public responsibilities. An increase in wealth produced an enlarge-

ment of patriotism. Government weighed lightly upon men's lives because many of the processes of government were exercised outside the formal pattern of constitutional and legal provisions by men of public spirit."

Officials Speak

Dean Joseph C. Hinsey showed pictures and described the program and needs of the Medical College and School of Nursing in New York, explained the University's affiliation with The New York Hospital and the work carried on jointly with the Kips Bay-Yorkville Health Center, Memorial Hospital, the Sloan-Kettering Institute for Cancer Research, and the James Ewing Hospital. "This program of ours," he said, "is being carried on some 250 miles from the Ithaca Campus. All of us down in New York should know about and be in close touch with the University here. Likewise, the people in the University here should know more about your New York branch. We are grateful for being included as one of the beneficiaries of the drive of the Greater Cornell Committee and for this opportunity to tell something about what we are doing. We have the feeling like never before that we are an integral part of Cornell University."

Theodore P. Wright, Vice-president for Research, spoke on "The University's Role in the Field of Research." He outlined the importance of research and the peculiar fitness of universities for doing it, and said that Cornell is currently carrying on about \$12,000,000 of sponsored research in more than 1,000 projects engaging more than 1,000 persons. He outlined the criteria established for accepting research, described the functions of the Cornell Research Foundation and the Cornell Aeronautical Laboratory in Buffalo, of both of which he is president, mentioned the University committee for air-safety research and the work in which Cornell participates with other universities at the Brookhaven National Laboratory on Long Island and on Mount Evans, Col.

Afternoon session, presided over by Francis H. Scheetz '16, vice-chairman of the Greater Cornell Committee, was devoted to elucidation of plans for the Greater Cornell Fund campaign. Asa S. Knowles, Vice-president for University Development and executive director of the Greater Cornell Committee, explained the relationships and services of his office. "The Special Gifts Program of the Greater Cornell Fund" was described by its chairman, Nicholas H. Noyes '06. He told of the preliminary work that has been done, detailed the regional organization for the special gifts campaign that is starting now to run to

the end of this year and be followed by a general alumni campaign in 1949, and introduced alumni regional, State, and local chairmen and committeemen present.

Harold L. Bache '16, president of the Alumni Fund Council, explained the relationship of "The Alumni Fund and the Greater Cornell Fund." He said that this year Class committees of the Alumni Fund would be enlisted in the regional solicitation of alumni and others for the Greater Cornell Fund, with Class credits for gifts yet to be worked out.

Dinner Opens Campaign

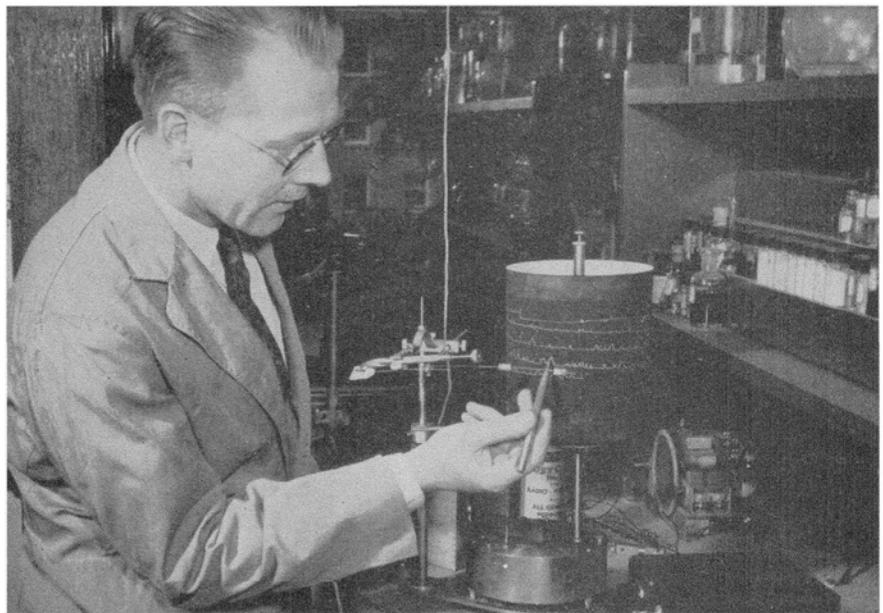
Chairman Becker presided at the dinner in Martha Van Rensselaer Hall that evening, which he characterized as "the eve of a great battle which will determine the future of Cornell." He called upon Dr. John R. Mott '88 for his opinion as a successful money-raiser of the outcome of the Greater Cornell campaign, and Dr. Mott expressed his assurance of the "enduring and most vital purposes" of the campaign and that it would be eminently successful in this "time of world-wide suffering."

Trustee John L. Collyer '17, chairman of the Greater Cornell Fund, speaking on "The University and Our Freedoms," cited his frequent trips to Germany when he was living in England in the 1930's and the systematic perversion of education there by the Nazis. He urged as "academic responsibility" in our present situation that courses in "Our Freedoms" be offered in schools and colleges and

universities and proficiency tests required. "The frame of 'Our Freedoms' has been largely taken for granted," he said. "It was never seriously challenged until recently. It had not seemed to be of paramount consequence, therefore, whether education provided a thorough understanding of this frame. Today that need is critical. . . ."

"All the years of our own education, 'Our Freedoms' is the one subject which was never taught, as such. America's educational system, fine as it is, has assumed that the whole is the mere sum of its parts. Our schools and colleges and universities have been teaching history, economics, philosophy, literature, geography, the sciences, and many other subjects, apparently under the assumption that the knowledge of each as it pertains to the United States would give the student all that he needs to know about 'Our Freedoms' and their difference from communism, fascism, regimentation, and socialism. . . . I am sure that when American education states to the American people, 'We can accomplish for you that which you most passionately desire, the strengthening of the foundation of your freedoms,' there will be an enormous impetus to private endowment and all that this will make possible. . . ."

"Cornell, always a living example of 'Our Freedoms,' after months of deliberation and study by the Faculty, is now embarking on an undertaking which has as its objectives the defining and teaching of 'Our Freedoms' and the challenging of the nation's educa-



SCIENTIST STUDIES INSECT JITTERS

Professor Robert L. Patton, Entomology, points to a graph on a revolving drum which records the nervous tremors of a housefly (in clamp at left) which has been poisoned with DDT. One of the few ultra-microchemists in America, Professor Patton worked on the atomic bomb during the war. He designed this apparatus to study the effects of various poisons on individual insects, as a means of evaluating commercial insecticides by their chemical formulas.

tors in this sphere of knowledge which urgently needs sound but prompt attention. . . . An investment in Cornell is an investment in the continuation of 'Our Freedoms,' an investment that makes all other investments worth while, an investment that will do much to insure the freedom and well-being of our children and grandchildren and generations to come."

President Reports Progress

President Edmund E. Day, speaking on "Cornell and the Frontiers of American Higher Education," described the "forests" of the mid-nineteenth century which were "cleared" principally because of "the phenomenally effective leadership of Cornell University in those early days," and the "frontiers which face us now in the middle of the twentieth century."

"From its very beginning," he said, "this Cornell of ours has been part and parcel of the great spiritual adventure of the race." Her early pioneering ran in three directions. She had to break through barriers in the traditional program of university teaching, to break the monopoly of the classical studies and mathematics and open wide a new curriculum which entertained hospitably the disciplines of science, the modern languages, the social studies, and such practical arts as agriculture and engineering. Cornell also led in opening wide the doors of university education to students of other than the privileged professional classes and to women as well as men,

thus bringing "a new day of equality of educational opportunity for all." Thirdly, the President said, Cornell had to "clear the barriers of free inquiry imposed by those who were afraid of the truth and wished to corral it. She opened wide the free, disinterested pursuit of truth, wherever it might lead."

"That frontier of 100 years ago had to do with the freedoms of higher education. The present frontier has to do with the *responsibilities* of higher education, given these freedoms." He cited three "frontiers" that now need to be attacked. "In the relationship of technical, applied knowledge to the basic sciences, should we, for example, ask of engineers a firmer grounding in science; of lawyers in the social sciences and psychology; of doctors in the biological sciences; of theologians in sociology and psychology?" He pointed also to the need of "greater understanding of the social responsibilities of the professions by those trained in the universities," saying, "There is not sufficient understanding of the articulation of professional practice with the public interest." A third responsibility of higher education, the President said, is to protect our American way of life. "We must certainly indoctrinate American youth to the values of the American life. In this the role of higher education is one of leadership; the day-to-day operations must be in the public schools which have access to *all* boys and girls at an impressionable age. The re-

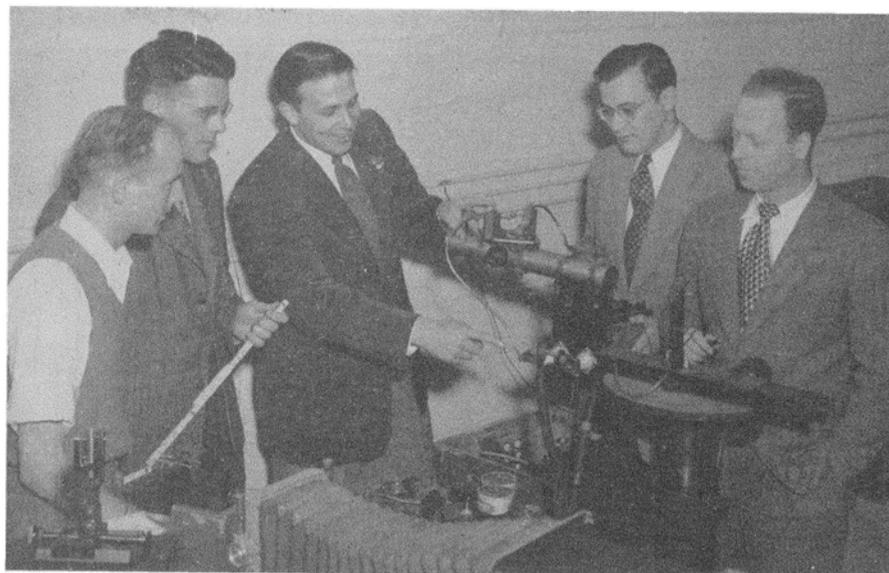
sponsibility of the colleges and universities is to identify and define the nature of our American ideals." He said that he had long been interested in this need and had appointed a committee of the Faculty to make plans for bringing to the Campus "speakers with messages as to what are the most essential elements in this American democracy of ours."

"We have exemplified the American way of life on this Campus ever since Cornell University opened," President Day continued. The University, he said, 'has fostered "awareness of injustice in all its forms;" has stood for "resisting the resort to force;" has encouraged the "cultivation of beauty" and "the promotion of the cardinal virtues in daily living;" has fostered the "love of truth and the disinterested pursuit of truth;" and is well aware that "we must be seriously concerned with the defense of our American freedoms." These ideas, he said, must "permeate all American education and not be confined to any single program of instruction."

Turning to the "privileges of giving," President Day said: "Any sound giving to Cornell must start with the giving of thought to the University. You must get to know it and to appreciate its great significance. If you do this, you are bound to give thought, too, to the enduring values of life which the University so well exemplifies." He cited three motives for alumni giving: out of a sense of gratitude by those who wish to repay their debt for privileges made possible by Cornell; out of love and devotion, or loyalty, to the University; and out of "the conviction that this is the best place to invest so as to forward great social and human interests. It is these gifts out of conviction which I shall prize the most. Out of such conviction, I fully expect money to be forthcoming in support of Cornell University."

In closing, the President suggested a proverb for the Greater Cornell effort which this dinner launched:

"Let's get understanding and, out of understanding, vision; and from vision, devotion; and out of devotion, an enduring faith in the great significance of Cornell for the God-given aspirations of all mankind."



FIRST GRADUATES IN AERONAUTICAL ENGINEERING

First four students to receive the Master of Aeronautical Engineering, last June, are, left to right: Gifford Bull '42, son of Drs. Harry G. Bull '08 and Helen Dudley Bull '11 of Ithaca, who flew "the Hump" for China National Aviation Corp. during the war and has now joined the staff of the Cornell Aeronautical Laboratory in Buffalo; Wing Commander R. Harris Bray of Ottawa, Can., assistant director of aircraft research and development for the Royal Canadian Air Force; Hugh B. Thompson of Syracuse, former Navy flier now with Northrup Aircraft Corp. in California; and Leonard Golund, of Brooklyn, former first lieutenant in the Eighty-second Airborne Division. Golund and William S. Miller (right) of Marcus Hook, Pa., are still students in the Graduate School of Aeronautical Engineering.

Photo Scienc

Boston Women

AT the annual meeting of the Cornell Women's Club of Boston, at the staff cottage of Framingham Reformatory for Women, Framingham, Mass., Mrs. James B. Palmer (Martha Kinne) '24 was re-elected Club president. Other officers elected are Mrs. Richard B. Gardner (Dorothy Rollins) '32, first vice-president; Mrs. Bernard Alexander (Ruth Haines) '29,

Cornell Alumni News

second vice-president; Mrs. James H. Zimmer (Orpha Spicer) '27 of Newton, secretary-treasurer; and Alice L. Priest '91, additional member of the executive board.

The Club has published a calendar of its monthly meetings, September through May, and invites all alumnae within thirty-five miles of Boston to become members.

Professor Hook Dies

Professor Warren Howard Hook '08, Heat-Power Engineering, died at his home in Ithaca, 105 Harvard Place, September 29, 1948.

A native of Ithaca, Professor Hook was on the Faculty continuously since 1910, except 1917-20 when he was an assistant engineer with Cluett, Peabody & Co. in Troy. He was an instructor in Experimental Engineering from 1910-17; was appointed assistant professor of Heat-Power Engineering in 1920, and associate professor in 1941. In 1927-28, he did special investigations for Rochester Gas & Electric Corp. and in 1937 for Detroit Edison Co. He received the ME in 1908 and did graduate work in 1915-16. He was a member of Theta Xi.

Mrs. Hook survives. His brother is Elmer Hook '19 and his son is Robert W. Hook '36.

J. Q. Adams Memorial

JOSEPH Quincy Adams Memorial Studies, an important collection of essays on Shakespeare and other Elizabethan writers, has been published by the Folger Shakespeare Library, Washington, D. C., in honor of the Library's late director, who was professor of English from 1905-31. Many of the articles, written since Professor Adams's death in 1946, are the work of Cornellians following paths of literary research first suggested by Adams, himself.

An editor of the book is Giles E. Dawson, PhD '26, of the Folger Library staff. Professor Lane Cooper, English, Language and Literature, Emeritus, wrote one of two "Appreciations" of Professor Adams. Other Cornellians who contributed to the memorial work are John J. Elson, PhD '22, one-time member of the University of Tennessee faculty; Thomas P. Harrison, Jr., PhD '24, professor of English at University of Texas; John C. Adams '26, president of Hofstra College; Donald J. McGinn '26, recently assistant professor of English at Rutgers; Professor Robert C. Bald, English, former research fellow of the Folger Library; and Elkin C. Wilson, assistant professor of English here, 1937-43, now at NYU.

The volume contains a bibliography of Professor Adams's writings which fills eight of the 807 pages.

Now, in *My Time!*

By *Conroy Perry*

THIS is written in the purple haze which descended upon the Campus when the celebration of the University's eightieth birthday had been satisfactorily concluded with the Harvard football game.

In such an atmosphere, your official observer is hard put to it not to dwell momentarily on the current Cornell team, but we deftly avoid the trap. The weather and mid-season form in football are topics that cannot safely be discussed in a publication which does not appear until two weeks after its established deadline for copy intended for the first form. Both are subject to change without notice! Football games have become more unpredictable than the Ithaca climate.

Everything that Old Blues were taught to regard as the eternal verities of the game are now abundantly disproved somewhere on each autumnal Saturday. What are Old Blues going to say about a game that has so far departed from its sound and accepted traditions that it is now possible for the losing eleven to score four or five touchdowns and still skillfully manage to remain the loser?

It's safer, perhaps, to talk about the college bands that have become an essential element in football, more predictable than the teams, more enduring than the goal posts. If a college band plays well and spells correctly at the October games, you can depend upon it to do the same in the November contests, which is more than you can say about the teams.

There seem to be two schools of thought on this matter of bands, and the line of cleavage along which they split does not follow the line of collegiate affiliations, by any means. Both schools were abundantly represented, and became highly vocal, at the many cocktail parties and buffet suppers which burgeoned on Cayuga Heights after the contest referred to.

Many Cantabrigians were generous in their praise of the brilliant appearance of the Cornell musicians, their precision and efficiency in maneuvers, their *elan* and skill. On the other hand, there were not a few Ithacans among the group

whose preference ran to the simplicity in garb, the youthful hilarity, the rollicking gaiety, and sound musicianship of the Harvard Band. They had made little effort to demonstrate their ability to spell, thinking, no doubt, that the literacy of Harvard undergraduates would be assumed as readily west of the Hudson as it is in New England.

It is enough to report the existence of a slight difference of opinion on college bands. It is by no means necessary for you and me to take sides, but explanations are perhaps desirable.

The two organizations are not to be measured by the same yardstick. The Cornell Band that played at the game is essentially a military body. It is drilled by an Army sergeant in conformity with the rigid requirements of the manual. It appears in martial plumage, is led by spectacular drum majors, and properly marches with all the pomp of the Grenadier Guards.

The Harvard Band, on the other hand, is obviously an undergraduate enterprise. It studiously avoids most of the objects for which its Ithaca counterpart strives. Its members are garbed uniformly in nothing more spectacular than crimson blazers and white flannel pantaloons. They are out for a good time and manage to have it without loss of musical efficiency. It's a good band, a gay band, and possesses the infectious spirit of youth. When they played themselves down the Hill and back to quarters at the end of the afternoon, they marched with a swagger and played in the manner of conquerors.

Take your pick! Your observer merely presents the case for both schools of thought, without opinion. But we venture to suggest that football in the colleges will be a pleasanter and more wholesome phenomenon when Old Blues and the general run of alumni rid themselves of the grim traditions of old days and adopt the attitude of these bands. Music is pretty apt to tell the truth, and it was the message conveyed by both bands last Saturday in their recessional, that a ball game is over when the sun goes down and no result should be permitted to mar a pleasant evening!

Nuclear Studies Laboratory Promises Important Knowledge

LABORATORY of Nuclear Studies, built by the University on the hill overlooking Beebe Lake behind Savage Hall of the School of Nutrition, was formally dedicated with ceremonies in Bailey Hall, October 7, as part of the observance of the University's eightieth anniversary. Classes were not dismissed that day, and the auditorium held perhaps 250 members of the Faculty and staff of the University, Trustees, visiting alumni, and a few students.

With Chairman Neal D. Becker '05, of the Board of Trustees presiding, President Edmund E. Day told briefly of how this Laboratory came to be. He said that after the war, with many brilliant young physicists returning from their war work with the Manhattan District, it was only self-interest for the University to provide them here with proper facilities to pursue fundamental atomic research. He paid tribute to the Trustees for meeting the emergency promptly by authorizing this new building, even though funds were not in hand for its construction, and to the Office of Naval Research for financing the synchrotron which is the indispensable core of their work.

Rabi '19 Explains Studies

Alumni Trustee J. Carlton Ward, Jr. '14 spoke for the Trustees, and Professor Robert F. Bacher, Physics, former Director of the Laboratory now on leave as the technical member of the US Atomic Energy Commission, told of the Commission's interest in this and other atomic research, including that at Brookhaven in which Cornell is participating. Rear Admiral Thorvald Solberg, USN, chief of the Office of Naval Research, presented the felicitations of the Navy Department, and Professor Robert R. Wilson, youthful Director of the Laboratory, expressed the gratitude and hopes of the staff for the opportunity it gives them.

Professor Isidore I. Rabi '19, head of the department of physics at Columbia University and winner of the Nobel Prize in 1944 for his work on atomic particles, spoke on "The Atomic Nucleus: A New World to Conquer." He recalled his experiences at Cornell as a student of Chemistry and the great teachers he knew here. Then, tracing briefly the background of atomic study and pointing out that only since 1928 has the structure of the atom been known with certainty, he made clear to his audience, with enthusiasm and humor, some of

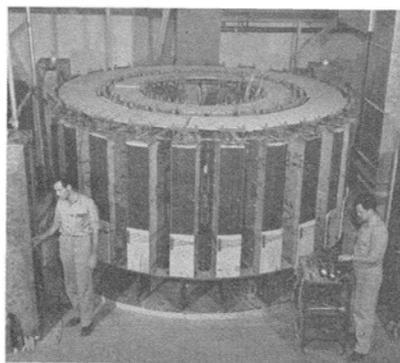
the momentous possibilities in the studies of atomic nuclei which this Laboratory makes possible. He said, in part:

If an atom of uranium were magnified a billion times, it would be the size of a basketball, and if its weight were increased correspondingly, it would weigh about a ton. If one were to examine it carefully, one would at first see nothing at all, but on very close inspection one would find ninety-two tiny particles, each much smaller than the point of a very fine needle, moving with enormous speed, approximately inside the confines of the basketball. These are the electrons. Altogether these electrons, small as they would appear, would weigh one-half pound. In the center one would discover a speck of dust about 1/1,000 of an inch in diameter. This is the nucleus of the atom. Its weight or mass would be a ton, less a half-pound, of course, for all the electrons put together. If we take, with Einstein, the famous relation $E=MC^2$, that is, energy is proportional to mass, we see that almost 99.99 per cent of the energy of matter is locked up in the nucleus.

Mighty Forces in Atom

The useful energy we have had available up to the present from fuels such as oil, coal, or food has been chemical energy and generally less than one billionth of the total conceivable energy which is locked in the atom and more particularly in the nucleus. These numbers stir the imagination. They are inspiring and frightening, especially if we remember Hiroshima! However, I am not predicting the release of these stupendous powers. We have a long way to go before we can even begin to assess the validity of such speculations. Let us examine further this speck of dust we called the nucleus of the uranium atom.

Looked at more closely, it would turn out to be comprised of 238 objects: 92 protons, all positively charged, and 146 neutrons; 238 in all. (I did not pick uranium 235 because that is fissionable material and is classified as secret.) The



SYNCHROTRON DWARFS MEN

Designed and built by members of the Nuclear Studies Laboratory staff with \$500,000 from the Office of Naval Research, this eighty-five-ton machine, thirteen feet in diameter and eight feet high on its concrete base, is expected to accelerate electrons to an energy of 300,000,000 electron volts, for studies of atomic nuclei. It is being tested for operation shortly. *Photo Science—Goldberg*

protons are all positively charged and have the same charge as the electrons. The neutrons have no charge at all.

We now come to the fundamental question: What forces keep this conglomeration of protons and neutrons together against the mighty repulsions of the protons for one another? What force keeps these nuclear particles which move at tremendous speeds from flying apart in less than one billionth of a second? I don't know. Neither does Professor Bethe, even though he knows what makes the sun shine so brightly; nor does anybody else in the whole world.

There are some charming speculations which may contain some grains of truth. I will tell you something about them, but first I must say that our ignorance is not entire. Although the why of nuclear forces is not known, we have a very definite notion about the magnitude of these forces. Otherwise the atomic bomb could not be made and we could not be seriously discussing the use of nuclear energy for the production of power. Application of scientific discovery does not have to wait on complete understanding of the whys and wherefores. The utilization of atomic energy, whether for warfare or the greater arts of peace and healing, does not await a great basic discovery. The fundamental science is at hand, and it is a question for the engineer, the chemist, the metallurgist, and applied science in general.

Seek Fundamental Knowledge

At this dedication of the Laboratory of Nuclear Studies, we are concerned with much more fundamental questions which look beyond the immediate practical problems of today, but which may bring the headaches of the future. . . .

At this point the taxpayer, the proverbial hard-headed businessman, or even the average man-about-town (or Congress) may say: "Stop! Haven't you made trouble enough? Why not take a recess from your fundamental problems and let us make some order of the mess you have just dropped in our laps? Why not go off and study some politics, economics, sociology, psychology, or even psychoanalysis, and help us solve our vexing problems of human relations and organization? Sufficient unto the day is the evil thereof."

One can say a number of things in reply. In the first place, we are far too busy to stop. Science just can't be turned on and off. We, in common with the rest of humanity, are embarked on an adventure from which there is no turning back. We always have to learn more in order to get along with what we have. Who knows what great discovery awaits us tomorrow or the next day? One can hint darkly about our competitors, both present and prospective.

One could give the easy, truthful answer that the solution of these problems has almost always paid high dividends in the material welfare of the nation. It has increased production, improved transportation and communication. It has helped combat illness and disease. It has been a powerful weapon in the battle against ignorance and superstition. This is essentially the answer of the alchemist to his patron. "Give me a laboratory and equipment, support me in my experiments, and I will find you the philosopher's stone which will make you richer, healthier, and more powerful." He asked nothing for himself but the love and favor of his noble patron. . . and much of the alchemist's attitude survives into the present day.

The extreme of this attitude is to be

found in Soviet Russia. There the scientist holds a very high place in society. Although his altitude is high, his permissible horizons are narrow. He is expected to produce discoveries which will not only strengthen the State but which will support the doctrines of the dominant group. For success he receives great rewards, country estates, servants, Lincoln limousines, and well-equipped laboratories. I have heard on good authority that when the atomic bomb exploded over Hiroshima, the salaries of Soviet nuclear physicists were trebled. These are mighty incentives. No prize stallion or highly-bred milk cow could have better treatment, but I doubt whether the Soviet scientists find happiness and inspiration in their exalted condition. From the standpoint of basic science, such limited and materialistic motivation is irrelevant and even vulgar. One might as well give a social motivation for artistic creation in that it attracts tourists, or for poetry that it ultimately freshens up the phraseology for advertising slogans!

Investigators Look Far

The real reason for basic research is to expand the boundaries of knowledge, pure and simple. It is an expression of the human spirit. This passion for new knowledge, for the exploration of nature, is strong in some, easily controllable in others, and in many people completely absent. . . . Fortunately, we are living in a time in our country when the interest in scientific research and discovery is mounting very rapidly. This new Laboratory of Nuclear Studies is one of the many expressions of this interest. The great telescope on Mount Palomar is another. All over the country, great new laboratories are arising in all fields. Schools of art and music are multiplying. The country is growing up, and some of the energy which went into the conquest of this continent is turning toward intellectual and artistic endeavor. We may see the dawn of a Golden Age. Perhaps it has already come and we are no more aware of it than the Athenians in the time of Pericles.

Let us return to the examination of the atomic nucleus just for the sheer pleasure and interest of it. To study an object as small as the atomic nucleus is even more difficult than it sounds. In the first place, you know that one can see smaller objects with the ultra-violet-ray microscope than with an ordinary microscope using visible light. The reason is that the wave length is shorter in the ultra violet. More recently, you have heard of the electron microscope which sees things even smaller, because electron waves can be utilized which are very much shorter. The large synchrotron which is now nearing completion will produce electron wave lengths and gamma rays which are a sort of super-short ultraviolet, of approximately the size of the nucleus. In a certain broad sense, the plan is to take a look-see at the atomic nucleus with these extraordinarily powerful instruments.

What will Professor Wilson and his crew of merry men see? If he knew, he would not have built the instrument, but we can conjecture some of the strange things he might see and study. In the first place, the energy of the radiation, although compressed in volume, comes in such enormous packets of about 300 million volts, compared with three volts of ordinary light, that mostly chips in the form of protons and neutrons will come out of the nucleus. These chips will interest them enormously, but will probably not be the main show.

The chief phenomenon will be of the

class which has already been observed in cosmic rays and in the large synchro-cyclotron at Berkeley. When these ultra-high-energy particles strike a nucleus, new particles come out which were not supposed to be there in the first place. They cannot be within the nucleus for reasons which would be too lengthy to give in this lecture. Yet they come out of the nucleus under the extreme condition of high-energy impact. The only possibility is that they are created then and there on the instant out of the energy of the collision. . . .

In the big Berkeley cyclotron, it was observed only a few months ago by Lattes and Gardner that when a 400-MEV nucleus of helium struck a carbon nucleus, a new particle appeared, perhaps identical with one previously observed in cosmic rays by Powell and his group in Bristol, England about a year ago. This new particle has been called a Pi meson. It is about 300 times as heavy as an electron and can have either positive or negative charge. The Pi meson does not last very long, only about one-hundred-millionth of a second, and then it turns into two other things. One of these is another kind of meson of about 200 electron mass units. The other partner is at present unknown. . . . The Mu meson, which may be identical with a particle which Anderson in Pasadena and Street in Harvard found in cosmic rays about thirteen years ago, does not linger with us very long either. After about a millionth of a second it turns into an electron and something else which is also unknown.

"Plenty of Problems to Study"

What do these phenomena mean? It is far too early to tell. No one knows how many particles will be found in the next few years, after the new machines are in operation, or perhaps in the next few months or days. . . . You see that the Cornell synchrotron is coming into existence in a very exciting time and is bound to play an important role of discovery.



LABORATORY OF NUCLEAR STUDIES

Synchrotron building at right is shielded from the main Laboratory building at rear by thirty feet of earth and concrete and connected by an underground tunnel with control room and delicate measuring instruments at the Laboratory end. The buildings were designed by the firm of Skidmore, Owings & Merrill, of which Nathaniel A. Owings '27 is a member, and built by Barr & Lane; they occupy the hill back of Savage Hall, overlooking Beebe Lake. *Photo Science—Goldberg*

We see that somehow there may be a connection between these new particles and nuclear forces. Why there are so many, why they should disintegrate so quickly and spontaneously, we don't know. We don't know how many there are, or just how they behave in the neighborhood of a nucleus, or anything solid about them really. The young men and women here who expect to be physicists will have plenty of problems to study.

Now I want to tell you of the most charming new particle of all, the neutrino. This particle has never been observed at all, but, like the God of the philosopher, if it did not exist it would have to be invented. It comes about in this way: Some nuclei, like rubidium or potassium, spontaneously emit electrons and change into another kind of nucleus. Yet there cannot be any electrons within the nucleus itself, they are just created and come out. On the other hand, they do not all come out with the same energy, even though there is a definite energy difference between the energy of the original and final nucleus. This is more than tragedy, because the law of the conservation of energy, without which we would not know how to turn around in physics, says that any energy lost must appear in some other place. That is where the neutrino comes in; it is a particle invented to carry off the missing energy in order to keep the books straight. There is a similar law about spin, and the neutrino takes care of that, too. It is a most convenient little gadget!

After it had been invented, conclusions as to its properties could be drawn fairly easily. The most striking property is that it has no mass whatever. It interacts with matter so slightly that it could pass right through the earth in its thickest part without hindrance. For this reason, there is no known way of detecting it. It is merely the subject of the verbs "to be" and "to spin."

I hoped in this talk to show you that we physicists don't know everything; that this is not a depressing subject, hopelessly involved in atomic warfare, but a great and exciting, civilized, intellectual adventure. Your new Laboratory of Nuclear Studies puts you right in the center of this wonderful life, and I wish you joy and great discoveries!

Buildings Complete, Modern

The Laboratory buildings, erected and equipped at cost of some \$2,000,000, comprise two structures of reinforced concrete faced with brick. Both are air conditioned to assure successful operation of their high-voltage equipment when humidity is high.

The five floors of the main building contain offices for the staff, twenty-three laboratories including four for radio-chemical research, three shops for building and maintaining equipment, two dark rooms, stock rooms, control and detector rooms for the synchrotron, conference, seminar, recreation, and shower rooms, and a kitchen. On the roof, a cosmic ray laboratory is being built which will house delicate instruments to measure and study cosmic rays. Specially-designed exterior aluminum shades above the south windows reflect off the direct rays of the sun in summer but admit them in winter.

Built into the hillside and connected to the main building by an underground tunnel, but shielded by thirty feet of earth and concrete, is the single-story building housing the synchrotron. This massive machine is controlled from an intricately-wired instrument panel at the other end of the tunnel, which is baffled to block possible harmful radiations. Here also are the detector rooms where observers will study the particles given off when electrons are accelerated by the synchrotron to the energy of 300,000,000 electron volts. The building also contains generators and fans to cool the huge machine and a room containing banks of the necessary high-voltage condensers. This room, the door to the main synchrotron room, and four other essential doors must be locked and the keys inserted in the control panel before the synchrotron can be started. Further safety precaution are thirteen red "crash buttons" in strategic locations, any one of which, if touched, will immediately stop all atomic radiation activities. Conversely, to start the synchrotron requires twenty-three separate, coordinated operations.

Experimenters Also Teach

Staff of the Laboratory of Nuclear Studies now numbers fifty-nine persons, of whom eighteen are members of the Faculty; and of the eighteen, eleven teach courses in Physics to students in Engineering, Arts and Sciences, and other divisions of the University. Non-Faculty, full-time staff members number twenty-four, with eleven graduate research assistants and six part-time or temporary technicians.

Work in nuclear studies began in the early 1930's in the Physics Department by Professor Lloyd P. Smith, PhD '30, now head of the Department, Professors Hans A. Bethe, M. Stanley Livingston, Bacher, and others. Livingston built a small cyclotron in Rockefeller Hall, still in use, which Professor Bethe says has produced "more research per ton of iron than any other cyclotron." The Laboratory of Nuclear Studies was organized in 1946, with Professor Bacher as Director, and he listed the facilities needed and did the early planning before he was called to membership on the Atomic Energy Commission in Washington when it was organized in October, 1946. Final planning of the Laboratory buildings and their equipment, including the synchrotron, has been the responsibility of Director Wilson, California '36, who came from Harvard in January, 1947. During the war, he was head of the division of experimental physics at the Los Alamos laboratory of the Manhattan District.

Student List Early

DIRECTORY of Students, 1948-49, appeared October 15, twenty-four days after registration closed: probably a new record (last year's Student Directory came out in January.) Bound in red paper covers, the booklet of sixty-four closely printed pages lists the name, Class, course, and Ithaca address and telephone number of every student, with names and home towns of those in the Medical College and Nursing School in New York City. In the interest of speed, home towns of students in Ithaca were omitted; they have been a useful feature of previous Directories.

The Directory of Students is published at thirty-five cents a copy by Cornell University Official Publication, Administration Building, Ithaca.

Federation Appoints

ORGANIZATION of the Federation of Cornell Women's Clubs was completed at a meeting of the executive committee in New York City, September 25, with appointment of Mrs. Donald E. Kempthe (Barbara Fretz) '23 as treasurer for two years and of five directors for the same term. Mrs. Clarence A. Williams (Donna Calkins) '21 as a director is chairman of the Federation Scholarship finance committee; Mrs. Arthur R. McFarlin (Muriel Lamb) '27, chairman of the committee collecting biographical data; Mrs. George Kelso (Mary Perrell) '31, chairman of the membership committee; Edna A. Stephany '31, chairman of the nominating committee; and Eleanor H. Irvine '36 is chairman of publicity and editor of the Federation News Letter.

Mrs. John W. Arnold (Dorothy McSparran) '18 was appointed the Federation member of the Alumni Association committee on Alumni Trustee nominations for four years, succeeding Mrs. Edwin S. Knauss (Dorothy Pond) '18. Marion Quell '26 succeeds Mrs. Robert C. Osborn (Agda Swenson) '20 as a member of the Federation scholarship awards committee for five years.

Mrs. Knauss, president of the Federation, outlined program plans for this year.

Official Delegates

CORNELL's official delegate to inauguration of Hurst R. Anderson as president of Hamline University, St. Paul, Minn., October 23, was Randolph M. Brown '20, professor of Forestry at the University of Minnesota. Professor Leslie C. Harlow '99 of the Agricultural College, Truro,

Nova Scotia, represented the University at the installation of Watson Kirkconnell as president of Acadia University, Wolfville, N. S., October 22. Paul W. Drake '20 was the Cornell representative at the inauguration of Fred G. Holloway as president of Drew University, Madison, N. J., October 16. J. Paul Leinroth '12 was the Cornell delegate at the centennial celebration of Blair Academy, Blairs-town, N. J., October 9.

Professor Francis C. Caldwell '90, Emeritus, of Ohio State, represented Cornell at the observance of the seventy-fifth anniversary of Ohio State University, October 14 and 15, at Columbus. Official Cornell delegate at the inauguration of Allan W. Brown as president of Hobart and William Smith Colleges in Geneva, October 23, was Professor Robin M. Williams, Jr., Sociology and Anthropology. Everett F. Phillips, emeritus professor of Apiculture, represented the College of Agriculture at the inauguration of Louis T. Benezet as president of Allegheny College, Meadville, Pa., October 15. Professor Paul P. Rogers, PhD '28, of Oberlin College served as official representative of Cornell at the inauguration of William T. Wickham as president of Heidelberg College, Tiffin, Ohio, October 9. Professor Luther C. Lindsley, PhD '22, of Georgia State College for Women was the University's official delegate at centennial exercises of Bessie Tift College, Forsyth, Ga., October 8 and 9. Installation of Jess H. Davis as president of the Thomas S. Clarkson Memorial College of Technology at Potsdam was officially attended by Professor Alexander B. Credle '30, Electrical Engineering. Walter J. Maytham '02 represented Cornell at the inauguration October 16 of J. Wilhelm Ylvisaker as president of Luther College at Decorah, Iowa.

Carroll H. Hendrickson '13 represent Cornell at the inauguration of Andrew G. Truxal as president of Hood College, Frederick, Md., October 21. His son, Carroll H. Hendrickson, Jr., represented Reed College of Oregon, of which he is an alumnus.

New Appointments

NEW members of the Industrial and Labor Relations Faculty are Assistant Professors Mills G. Clark and Martin Estey. Professor Clark, Harvard '39 and MA at University of Minnesota '41, has been teaching at Harvard where his PhD thesis was on "The Russian Steel Industry." He conducts a course on "Background of Industrial and Labor Relations." Professor Estey was an economic analyst in the international labor division of the US State Department; will do re-

search on collective bargaining in the retail trade. He received the BS at Purdue in 1940, the MA at Princeton last year.

In the Department of Plant Breeding, Walter T. Federer comes from the statistical laboratory of Iowa State College as professor of Biological Statistics. He received the BS at Colorado State College in 1939, the MS at Kansas State in 1941, and the PhD this year at Iowa State.

Assistant professor of Secondary Education in the Department of Rural Education is Lloyd H. Elliott. After serving as lieutenant commander, US-NR, he received the PhD at University of Colorado this year, having taken the BA at Glenville State College, W. Va., in 1937 and the MA at University of West Virginia in 1939.

Benjamin E. Clark '38, who was at the Geneva Experiment Station from 1940-42, returns as assistant professor of Seed Investigations. He received the MS here in 1946 and recently the PhD at Michigan State College. Assistant professor of Pomology at Geneva is David R. Rodney, graduate of University of Missouri and recently at Ohio State University, where he received the MS.

Nurses Graduate

CORNELL University - New York Hospital School of Nursing graduated forty-one nurses, September 28, with exercises at the Nurses' Residence in New York City. Henry S. Sturgis, vice-president of the Society of the New York Hospital, presented graduates with diplomas and School pins. Eighteen BS in Nursing degrees were awarded by President Edmund E. Day.

In the graduating class were Frances W. Palmer '46, Adele T. Oren '47, and Arlene J. Thompson '47. Elaine R. Felsenberg '47 received the BS in Nursing last February.

Knott '42 Memorial

INCOME from the Dickson Randolph Knott Memorial Fund, given by his mother, Mrs. Sophia D. Knott, as suggested, in one of Lieutenant Knott's last letters, finances a Scholarship open to Law School veterans.

Member of the Class of '42 and of Kappa Sigma, and ranking first-year student in his Law School Class, Knott received the Silver Star and Purple Heart before his death, in action on the Italian front, October 22, 1943.

Last year, the Knott Scholarship was won by Charles E. Ennis '48 of Lyons, son of Charles T. Ennis '21.

Intelligence

By *Emerson Hinckliff '14*

So Cornell is eighty years old! I liked the comment of William L. Laurence, Harvard '12, New York Times science writer who was here for the celebration and the meetings of the Greater Cornell Committee and who stayed over for the football game. He remarked, as the score mounted: "This proves that you're more vigorous at eighty than you are at 312."

Incidentally, the Herald Tribune game story had a priceless second paragraph of just eight words: "The score, Mr. Ripley, was 40 to 6."

* * *

You'll get, I trust, rather full details of the anniversary speeches in the news columns of this issue. I hope you read them all, because they were the meat of a mighty inspiring three days. I sat through them all and only got sleepy a couple of times, so you should be able to spare ten minutes for their boiled-down version. I wish you could have heard Professor Cushman in his address, which certainly compared favorably with the late Carl Becker's famous exposition a few years ago of the Cornell tradition. He called Ezra and Andrew D. "super-pioneers" and gauged the importance of their pioneering by pointing out how hard it is for us, accustomed to the modern American university, to conceive that it was not always so; that Cornell, as recently as eighty years ago, was so revolutionary an educational concept that the Governor of the State quietly slipped out of town the night before the opening for fear of being too closely associated with this "Godless institution."

Perhaps even more important than glorying in the past was Professor Cushman's testimony that Cornell's tradition of academic freedom still persists; that he knows of no faculty in the United States so free. He characterized his arrival at Cornell as, "coming out into the fresh air;" said that he had never here been conscious of restraint on his thinking. He ought to know, because he sat for some time as Faculty representative on the Board of Trustees. I liked his statement that the Faculty is left to mind its own business and given to understand that that business is important.

Rym Berry was delightful, with his suggestion that we pause and look both ways and with his remarks about

the Ithaca stud-book. I could listen to Dean Kimball forever! I never knew before that Civil Engineering took its name from being opposed to military engineering. I never knew, or had forgotten if I once knew, that power for the Sibley shops until 1904 was transmitted from a water-wheel in the gorge by means of pulleys and ropes.

* * *

One of our several Cornell Nobel Prize winners, Dr. I. I. Rabi '19, had the crowd at the dedication of the Nuclear Studies Laboratory gasping at some of his figures as regards the size and weight and power of a uranium atom and its components, especially when he talked of a particle called a neutrino that nobody knows a thing about except that it must exist. Referring to the extreme youth (thirty-three) of Professor Wilson, Director of the Laboratory, Dr. Rabi said that an Old Grad should never judge the age of a professor himself, but should do it through the eyes of a Freshman. He harked back to his own student days when he regarded his Physics mentors, Gibbs, Murdock, and Richtmyer, as mature men of substance, only to check back later and find that the oldest was then thirty-eight!

It is, in fact, a mistake, as Professor Cushman pointed out, to think of Andrew D. White as the benign old gentleman who graced the Campus when I was an undergraduate. Our co-founder and arch-pioneer was thirty-seven when the University opened!

* * *

Here's a human-interest sidelight on the conclave: After one of the dinners, when all of us "professional alumni" were circulating to act as human catalysts in introducing people to each other, one of those whom "Selly" Brewer introduced was Ezra Cornell III '27. Cornell didn't get the other man's name, so leaned forward courteously to ask it. The answer: "Andrew D. White; just call me Andy!"

Albany Busy

CORNELL and Dartmouth Clubs of Albany held an outing at the Albany Country Club, July 13. Planned for an all-day affair, it was rained out until evening. Twenty-two Cornellians and wives, together with fourteen Dartmouth men and their wives were present. Cornell and Dartmouth men of Albany will hold their annual pre-game meeting at Kapps Restaurant, Rensselaer, November 9.

Cornell Club meets in Albany the first Tuesday of each month and invites all alumni.

On the Sporting Side • By "Sideline"

Football Broadcasts

COLGATE football game, to be played in Ithaca November 6, will be broadcast from WHCU Ithaca, WNBC Binghamton, WHEC Rochester, WGY Schenectady, and WNJR Newark, N. J.

The Dartmouth game November 13, also in Ithaca, will be heard from WHCU Ithaca, WHEC Rochester, WHDL Olean, WENY Elmira, and WLEA Hornell. Jack Berry, Atlantic Refining Co. sportcaster, will cover both games.

Cornell 40, Harvard 6

IN as gratifying a game of football as has been seen on Schoellkopf Field in many years, Cornell trounced Harvard 40-6, October 9. Scoring once in the first period, twice in the second, and three times in the last period, the Big Red outplayed the Crimson throughout the game. The only time that Harvard showed much of an offense was at the start of the second half when they covered seventy-five yards in five plays for their tally.

It is impossible to single out any individual Cornell stars. Every lineman and backer-up played alert and crushing football, so much so that the Harvard ball handlers had little chance to get started despite amazing ball handling and razzle-dazzle behind the line of scrimmage. On offense, the Cornell line opened the holes and threw crushing blocks and Coach James's fine array of shifty backs took care of the rest. Cornell gained 363 yards by rushing and passing, compared with 150 for Harvard. Of our total, 104 yards were made on seven pass completions of twelve attempts.

Hilary Chollet '50 scored three touchdowns; Paul Girolamo '50, two; and Jeff Fleischmann '51, one. Bob Dean '48 made good four of his six tries for the point after. In addition, Bob did a fine job on kickoffs, averaging thirty-nine and a half yards on his eight punts. One punt covered seventy-four yards before bouncing out of bounds on the Harvard 6. Several others, although for considerably shorter distances, were angled out of bounds inside the 10. Pete Dorset '50, already labelled as one of the fine passers in the East, is fast establishing himself as an outstanding field general.

The game was a fitting climax to the celebration of the eightieth anniversary of the opening of the University and a good kick-off for the Greater Cornell Fund campaign.

The Cornell lineup:

Left ends: Cassel, Hummer, Sampson.
Left tackles: Clark, Drost, Loynd.
Left guards: Quinn, DiGrande.
Centers: Pierik, Gaige, Smith, Maroney.
Right guards: Jaso, Ellis, Casey.
Right tackles: Jensen, Drost.
Right ends: Rogers, Bruska, Schuh.
Quarterbacks: Dorset, Haley.
Left halfbacks: Chollet, Bradley, Dunston.
Right halfbacks: Girolamo, Miller, Babula.
Fullbacks: Dean, Fleischmann, Taylor.

Cornell 34, Syracuse 6

COACH Lefty James and his 1948 footballers made it four for four at Archbold Stadium in Syracuse, October 16, when they defeated Big Bill Orange 34-7. Performing before a throng of 33,000, the largest ever to see these two arch-rivals play, the Big Red, although not as sharp a unit as it was against Harvard the previous Saturday, gained at will on the ground, amassing a total of 373 yards by rushing. Actually, the total gained was considerably more than this, as several sizable gains were nullified by penalties. The game was slowed down by the constant whistle-tooting of Albie Booth, former Yale flash, and his staff of officials. They paced off 120 yards against Cornell and 65 against Syracuse.

Cornell's defensive team was again an impressive unit. These boys, affectionately referred to by Lefty as his "Wildcats," held Syracuse's running attack so well in check that the Orange gained but fifty yards running. Overhead, the losers fared a bit better. Bernard Custis, Syracuse Negro sophomore star, whose throwing arm is every bit as good as advance press notices indicated, completed seven of fourteen passes for total gain of ninety-three yards. Several times he hit his mark although chased fifteen to twenty yards behind the line of scrimmage by Cornell's charging forwards. Cornell completed four of fourteen pass attempts.

Chollet was again outstanding on both offense and defense. He was pushed for honors on offense by Frank Bradley '50, particularly in the second half. This stubby little fellow (5'7" and 175 pounds) played the best game of his career, scoring once and tearing off several good gains by his hard, determined running. Fleischmann crossed the double lines for three touchdowns, all in the first half. In addition to Bradley's third period tally, Dorset counted in the last quarter on a quarterback sneak. It was the first time that either Bradley or Dorset has scored a touchdown for Cornell. Dean

kicked four of five points after touchdown, missing the last one after he had injured his kicking leg. Syracuse scored its lone counter in the first period on a fourth-down pass.

Cornell took its worst physical beating of the year in this game. In addition to Dean, Fleischmann, Paul Girolamo '49, Bob Dunston '50, Dave Maroney '51, and Bucky Ellis '50 received injuries. The Cornell line-up:

Left ends: Cassel, Hummer, Sampson.
Left tackles: Clark, Drost, Loynd.
Left guards: Quinn, DiGrande, Ramin.
Centers: Pierik, Gaige, Smith, Maroney.
Right guards: Jaso, Ellis.
Right tackles: Jensen, Casey, Riordan, Carpenter.
Right ends: Rogers, Bruska, Schuh.
Quarterbacks: Haley, Dorset.
Left halfbacks: Chollet, Bradley, Dunston, Gargan.
Right halfbacks: Girolamo, Miller, Babula.
Fullbacks: Dean, Fleischmann, Taylor, LaRochelle.

Other Teams Play

THE Cornell B football team, known in the old days as the All-Americans and referred to more recently as the Junior-Varsity, had won one and lost one through mid-October. In its first game, October 8, it was overwhelmed by the strong Cortland Teachers College varsity in Cortland by a 33-0 score. All of Cortland's tallies came on passes. A week later in Ithaca the B Reds staged a comeback to defeat the Syracuse Juniors, 6-0. The score came in the last quarter when Tom Gargan '50 bucked over tackle.

Cornell's 150-pound team waited to catch fire until the last three minutes of its initial game, with the lightweights of Rutgers University, in Ithaca October 16. Cornell tallied twice in those last minutes to snatch a win, 14-7. Rutgers scored its tally with seven minutes gone in the last quarter, on a pass play. The little Reds took the ensuing kickoff and marched seventy yards to pay dirt with quarterback Bill Epler '51 bucking over. Immediately after, Rutgers fumbled and Cornell recovered. With time running out, Epler passed to Dick Corwith '50 for the winning touchdown. Jack Anderson '51 kicked both points after touchdown.

The Freshman eleven is off to a fine start, chalking up wins in its first two games. October 9, the Cornell cubs humbled the Cortland State Teachers College frosh in Ithaca, 66-6. Bill Stockwell scored three touchdowns in this contest and Bob Erickson tallied twice, both on interceptions. The other five touchdowns were spread among as many players.

The next Saturday, the team travelled to Saltsburg, Pa., to defeat Kiski, 24-0. Game Captain Stu Merz

put Cornell in the lead by returning the opening kickoff ninety yards for a TD. Merz also tallied again in the last quarter. End Thurman Bodie raced forty-five yards with an intercepted pass and Halfback Hal Seidenberg went thirty-five yards through the line on a cross buck to complete the scoring. The first two teams of the Freshman squad of about fifty are:

Left ends: Richard A. Chamberlin of Hamden, Conn., and Victor A. Pujo of Lynn, Mass.

Left tackles: Edward A. Cremer of Northport, and Edward C. Friederichs of Wheeling, W. Va.

Left guards: Donald S. Follett of Garden City and Frank N. Vitale of Jersey City, N. J.

Centers: Strati Chipouras of Lynn, Mass., and Alan P. Rose of Montclair, N. J.

Right guards: Donald P. Hoover of Mechanicville and Edward Leo of Everett, Mass.

Right tackles: Charles W. Metzler of New York City and Daniel O. Taylor of Bethel, Pa.

Right ends: Thurman M. Bodie of New Rochelle and Joseph W. Eberhardt of Denville, N. J.

Quarterbacks: Rocco J. Calvo of Bethlehem, Pa., and William T. Kirk of Buffalo.

Left halfbacks: William J. Morgan of Holyoke, Mass., and Harold Seidenberg of Brooklyn.

Right halfbacks: Redding K. Rufe of Chalfont, Pa., and William T. Stockwell of East Aurora.

Fullbacks: Reginald C. Marchant of Spring Valley and Stuart O. Merz of South Orange, N. J.

Soccer Teams at Work

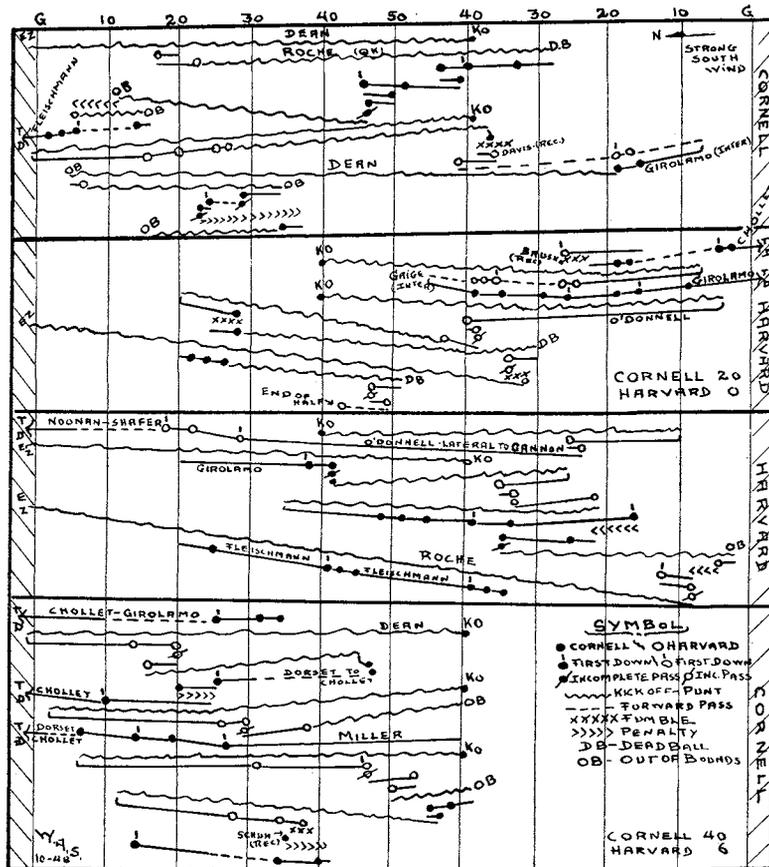
FOR the second Saturday in as many weeks, the Varsity soccer team had to be content with a tie, its game with Harvard on Alumni Field, October 9, ending 3-3. Cornell scored all of its goals in the first period on tallies by Joe McKinney '50, Captain Charlie Berman '49, and Derl Derr '51. Harvard scored twice in the second period, both on penalty kicks resulting from rather technical decisions on the part of the referee, and tied the count in the third quarter. The last stanza and a five-minute overtime period failed to produce any further scoring.

The Varsity's little brothers made it two straight as the Frosh defeated Manlius, 3-1, in Ithaca, the same day. Ronnie Gebhardt of Clinton, N. J., counted twice and Jack Ogden of Forest Hills scored once.

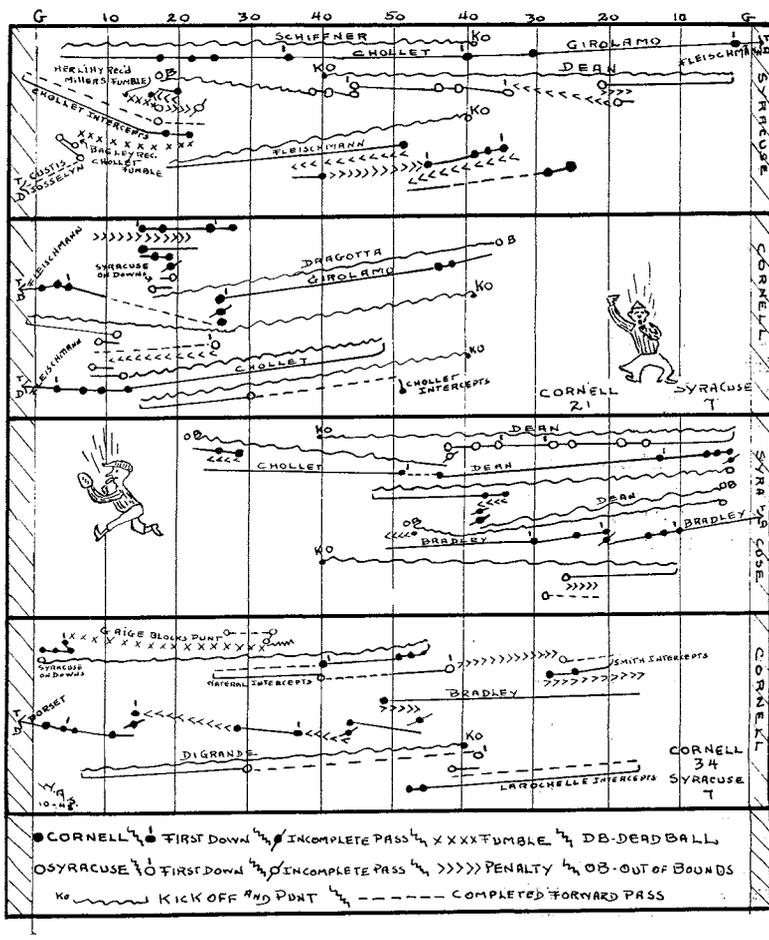
The Varsity booters won their first League contest October 16, white-washing Princeton, 5-0, at Princeton. Cornell was the aggressor all the way, having twenty shots at the Tiger goalie while the Big Red defenders permitted only four plays to get by them to the Cornell goal tender, all of them in the first half and all unsuccessful. McKinney and Derr both

(Continued on page 142)

CORNELL 40—HARVARD 6



CORNELL 34—SYRACUSE 7



Books

By Cornellians

Industrial Research

Research in Industry: Its Organization and Management. By Director Clifford C. Furnas of the Cornell Aeronautical Laboratory in Buffalo, editor, and others. D. Van Nostrand Co., Inc., New York City. 1948. 574 pages, \$6.50.

The organization and management of industrial research is here presented by men who know the ropes: thirty-three successful executives with long research experience and representing a good cross-section of American industry. All the contributors are from member firms of Industrial Research Institute, Inc., which sponsored the project.

Editor Furnas contributes a Preface and a chapter on "The Philosophy and Objectives of Research in Industry." Ralph T. K. Cornwell '18, director of research, Sylvania Division, American Viscose Corp., Marcus Hook, Pa., writes on "Professional Growth of the Research Man"; A. Griffin Ashcroft '21, director of research, Alexander Smith & Sons Carpet Co., Yonkers, "Procurement and Selection of Research Personnel"; and Gordon O. Cragwell, Grad '13-'15, director, technical service department, Charles Pfizer & Co., Inc., New York City, "The Research Program."

Research in Industry is extensively illustrated; each chapter has a bibliography and there is an eighteen-page list of general references at the end of the book.

Psychiatry

Psychiatry: Its Evolution and Present Status. By Dr. William C. Menninger '24. Cornell University Press, Ithaca. 1948. 138 pages, \$2.00.

This book contains the three Messenger Lectures which attracted capacity audiences at the University last fall. The author is general secretary of the Menninger Foundation for Psychiatric Research, Topeka, Kans. The first chapter has the same title as the book, the second deals with "Psycho-analytic Psychiatry: Its Contribution to the Understanding of Behavior," and the third, "Psychiatry and the Social Order."

In a Preface, Dr. Norman S. Moore '23, Clinical and Preventive Medicine, writes: "If improvement in our individual, group, and community relations can stem from education, if the many symptoms and chronic ills of psychogenic etiology can be improved

by educational clarification, then is it not the responsibility of great educational institutions to lead the way? The lectures which Dr. Menninger delivered at Cornell University and which are now published in this volume assist in meeting that challenge to higher education."

Two other recent books by Dr. Menninger are Psychiatry in a Troubled World, a 700-page work published by Macmillan at \$6.00; and You and Psychiatry, a primer of psychiatry written with Munro Leaf and published by Scribner at \$2.50.

Whiting '29 in Rochester

CORNELL Club of Rochester was addressed by Edward A. Whiting '29, Assistant Director of Willard Straight Hall, at its October 20 luncheon meeting at the Powers Hotel. He told of the Willard Straight Hall program and discussed football.

California Women

NORTHERN California Cornell Women's Club opened its fall season with a luncheon at the College Women's Club in Berkeley, at which Club president Mrs. William J. Glanister (Dorothy Wright) '29, and Mrs. Edgar Weymouth (Hester Tefft) '05 were hostesses. Fifteen members representing Classes from '01 to '48 were present.

Cornell Women's Club of Southern California met September 18 with twenty-two for luncheon at the Los Angeles home of Mrs. William S. Peterson (Cornelia Walker) '22. Club officers are Mrs. Ernest M. Brown (Alice Auburn) '29, president; Mrs. Jonathan S. Singer (Ruth Aronson) '44, secretary; and Mrs. William M. Henderson (Cynthia Whitford) '46, treasurer.

Form New Department

A Department of Conservation, designed to meet government and private needs for personnel with intensive conservation training, starts this fall in the College of Agriculture. The Department coordinates courses that have been taught in various Departments, including two in Game Management and others in Forestry, Agronomy, Botany, Ornithology, Entomology and Limnology.

Professor Gustav A. Swanson, appointed head of the new Conservation Department, has been chief of the wild life branch, US Department of Interior. He received the BS in 1930 and the MA and PhD at the University of Minnesota. He has published works on birds and mammals and has studied extensively the migratory and food habits of wild life.

Clubs Entertain

CORNELL Women's Clubs of Boston, Mass., and Cleveland, Ohio, devoted their first meetings of the year to orienting entering Freshmen. The Cleveland meeting, a picnic lunch at the home of Mrs. James D. Nobel (Ruth Uetz) '29, September 11, entertained three undergraduate and four Freshmen women. Mrs. Kent L. Brown (Betty Myers) '37 presided and Mrs. Edward MacLennan (Rika Gillett) '25, third vice-president of the Federation of Cornell Women's Clubs, spoke.

A Boston tea at the home of Mrs. James B. Palmer (Martha Kinne) '24, September 10, was attended by eleven Freshmen women, whose questions about Cornell were answered by five undergraduates.

Assistant Alumni Secretary Pauline J. Schmid '25 spoke at meetings for undergraduate and Freshman women of the Cornell Women's Clubs of Schenectady and Albany, September 8 and 9. Sixty members and guests enjoyed a picnic supper at the Schenectady home of Mrs. Anthony Hoadley (Elizabeth Little) '25 on the Union College campus, with Mrs. John W. Yetter (Claire Herrick) '40 presiding at the meeting.

Buffet supper of the Albany Club at the home of the president, Mrs. Arthur C. McHugh (Ruth O'Connor) '27, brought fifty alumni and students to hear Miss Schmid.

Alumni Run Radio Chain

RURAL Radio Network, owned by New York State farmers' co-operatives, shares the fifth floor of the Ithaca Savings Bank Building with University Station WHCU for its central offices and studios. The new chain has six 1000-watt FM stations with towers on hills of at least 2,000 feet elevation strategically located to cover most of the State and is affiliated with Station WGHF in New York City to reach agricultural Long Island. Many of its programs of weather and market reports, farming information, news, and entertainment originate in the Ithaca studios and are broadcast to its other stations by FM radio. Tower for the Ithaca Station WVFC is on Connecticut Hill; others are WVCN at DeRuyter; WVCV, Cherry Valley; WVBN, Turin; WVBT, Bristol Center; and WFNF, Wethersfield.

The new chain is owned and operated by Rural Radio Foundation which was organized by the GLF Exchange, Dairymen's League, the State Farm and Home Bureau federations, Grange, Poultry Council, Horticultural Society, Artificial Breeders' Co-

operative, Vegetable Growers' Association, and Empire State Livestock Marketing Cooperative. Profits of the Network will be used by the Foundation for agricultural research, education, and public welfare purposes.

Assemblyman Harold L. Creal '19 is president of both the Foundation and Rural Radio Network, Inc. Harold M. Stanley '15 is vice-president of the Foundation and Edward S. Foster '25 is treasurer. Clifford E. Snyder '10 is vice-president of the Network and George W. Slocum '02 is secretary-treasurer. General manager of operations is R. Bruce Gervan, "loaned" by the GLF, with H. Stilwell Brown '27 assistant manager. Director of service programs is Robert B. Child '37, with Merrill N. Knapp '35 as assistant director and news chief. Leslie H. Connelly '31 is supervisor of the Connecticut Hill station which serves the main studios in Ithaca. Secretary of Agriculture Charles F. Brannan gave his first official broadcast as part of the opening Network program, June 6, from Washington, D. C. Regular programs include Romeyn Berry '04, Pearl Buck, AM '25, reading children's stories, and Leland F. Hamrick '40 and George L. Landon '44, announcers.

For Air Safety

RESEARCH aimed at greater safety in flying, carried on at the Cornell Aeronautical Laboratory in Buffalo, at the University in Ithaca, and at the Medical College in New York, has been described in Time, Newsweek, and in aviation journals and newspapers. At the Cornell Club of New York in September, Theodore P. Wright, Vice-president for Research, Clifford C. Furnas, Director of the Aeronautical Laboratory, Dr. Hugh DeHaven '18 of the Medical College, and others told some forty-five aviation writers and editors of this work.

Study of more than 600 airplane crashes shows that more than 75 per cent of resulting fatalities come from injuries to the head, striking parts of the plane in a crash. Experiments at the Aeronautical Laboratory with dummy heads made of plastic and with eggs, catapulted against barriers, indicate that a thin sheet of aluminum backed by sponge-like plastic foam slows down the impact and eliminates rebound, thereby greatly reducing the danger of fracture.

Under contract with the Navy Department, the Aeronautical Laboratory has developed and tested for two years on a Navy plane a mechanism to prevent fire in the air. Part of the exhaust gas from the engine, virtually free of oxygen, is cooled, dried, and blown into in and around the fuel tanks. Thus these spaces are filled

"Harvardiana"

LIFTED" from the Harvard Alumni Bulletin in a letter from Karl M. Elish, Harvard '17, as told to him "by a Cornell man:"

"It seems there was a lad at Cornell who had trouble with his marks. In desperation, he switched to Harvard. 'And do you know,' the narrator remarked, 'the I.Q. at both places improved.'"

with a non-combustible mixture at all times, so that slight leaks cannot cause fire in flight. The system is automatic, light in weight, and is now ready for use in commercial and military aircraft.

To reduce fire danger in crashes, the Laboratory is working on the idea of carrying fuel of transport planes in detachable tanks at the wing-tips. Tanks as now built in the wings are often punctured in crash landings, with the released fuel and gases ignited by hot engines or friction heat. The proposed wing-tip tanks can be dropped by the pilot if he knows a crash is imminent, or can be made detachable by impact if there is no warning, to follow their own course away from the plane and its passengers. Such tanks will carry all fuel for ordinary transport planes with little sacrifice of performance and weight. In event of a crash, they would remove the dangerous fuel from the plane and thus prevent fire hazard.

University committee for air safety research is headed by Vice-President Wright and includes from the University at Ithaca Dean S. C. Hollister, Richard Parmenter '17, Dr. Norman S. Moore '23, and Professor Arthur E. Sutherland; from the Medical College in New York, Dean Joseph C. Hinsey and Drs. DeHaven, Eugene F. DuBois, and Emerson Day; and from the Aeronautical Laboratory in Buffalo, Director Furnas and Edward R. Dye.

Aid Advertising Council

SEVERAL Cornellians are on advisory boards to The Advertising Council, organized by national advertisers, publications, and advertising agencies to screen requests for public service campaigns of advertising. An outgrowth of the War Advertising Council, the new organization is set up "to coordinate the forces of advertising so that they may be of maximum aid in public service."

A public policy committee, "made up of informed, judicious, and public-spirited leaders of opinion, selected to represent the public," must by three-fourths vote approve of proposals submitted for the backing of the Council to inform the public, unless the policy of such proposals has been set by law. Trustee H. Edward Babcock of Ithaca

and President Sarah G. Blanding of Vassar, former Dean of Home Economics, are members of this committee. An advisory committee from industry includes James S. Knowlson '05, president and chairman of Stewart-Warner Corp., Chicago, Ill., and Trustee John L. Collyer '17, president of B.F. Goodrich Co., Akron, Ohio. Bruce D. Kerr '35 is a member of an advisory committee of house magazine editors.

New Haven Women

CORNELL Women's Club of New Haven, Conn., held a buffet supper meeting at the home of Mrs. Dean J. Bennett (Catherine Weller) '28, October 11. A talk on Spain, illustrated with Kodachrome slides, was given by Mrs. Everett S. Rademache (Grace Corwin) '21 who studied this summer at the University of Madrid. New members, Mrs. Charles T. Novak (Katherine Clark) '41 and Ruth S. Puff '41, were introduced by the president, Mrs. Luther M. Noss (Osea Calciolari) '30. Last year's president, Mrs. Thomas A. Scanlan, Jr. (Florence Burtis) '26, leaves the Club to move to Newburgh.

Study Soils From Air

WORLD-WIDE research in soils engineering sent eleven Faculty members and graduate students to Europe, North Africa, and Alaska last summer. The three-year project supported by the Office of Naval Research is directed by Professor Donald J. Belcher, Civil Engineering, who went to Europe and North Africa. Professor Taylor D. Lewis, Civil Engineering, headed an expedition to Alaska and Raymond J. Hodge and Charles H. Ladenheim '47, research assistants, covered the Eastern United States.

One purpose of the research is to simplify photo-analysis of soils and land masses so that relatively inexperienced persons can do work now requiring experts. (Both Professor Belcher and Ladenheim were aerial-photograph interpretation specialists during the war.) Workers analyze an area from aerial photographs and then visit the section to check their analyses on soil texture and color, vegetation, subsurface conditions, drainage, and other details. Results and techniques will be consolidated and published.

The program is planned to cover all areas of the earth's surface which have different distinct characteristics. Besides its general usefulness in engineering and agriculture, much of the data collected will be important to the Navy in connection with "beach accessibility" and amphibious operations.

Cornell Alumni News

18 EAST AVENUE, ITHACA, N. Y.
FOUNDED 1899

Published the first and fifteenth of each month while the University is in regular session and monthly in January, February, July, and September.

Owned and published by the Cornell Alumni Association under direction of a committee composed of Walter K. Niell '27, chairman, Birge W. Kinne '16, Clifford S. Bailey '18, John S. Knight '18, and Thomas B. Haire '34. Officers of the Alumni Association: Elbert P. Tuttle '18, Atlanta, Ga., president; Emmet J. Murphy '22, Ithaca, secretary-treasurer.

Subscriptions \$4 in U. S. and possessions, foreign, \$4.50. Life subscription, \$75. Single copies, 25 cents. Subscriptions are renewed annually unless cancelled.

Managing Editor H. A. STEVENSON '19

Assistant Editors

RUTH E. JENNINGS '44

HAROLD M. SCHMECK, JR. '48

Member, Ivy League Alumni Magazines, 22 Washington Square North, New York City 11; phone GRamercy 5-2039.

Printed at the Cayuga Press, Ithaca, N. Y.

Waters Leaves Staff

SOME readers will have noticed, beginning October 1, a new heading over our sports columns and the replacement of the familiar signature, "Bill Waters '27."

Except for four years beginning in January, 1933, when the Athletic Association curtailed intercollegiate spring sports because of the depression, William J. Waters "covered" sports in the ALUMNI NEWS for twenty-one years. He took over the assignment from Harry G. Stutz '07 beginning in September after he received the AB in 1927. The depression of 1933 affected News finances considerably longer than it did the University's sports program, so it was not until September, 1937, that Waters rejoined the staff as sports reporter. Now his duties as news editor in charge of the news staff of The Ithaca Journal and correspondent for New York City and Philadelphia newspapers, with numerous civic and professional activities, fully occupy his time, so he is succeeded by "Sideline" reporting sports in the ALUMNI NEWS.

Entering Arts and Sciences from Poughkeepsie in 1923, Waters became Campus reporter for The Ithaca Journal and was president of the Cornell chapter of Sigma Delta Chi, professional journalism fraternity. He joined The Journal staff, full time, after graduation, became sports and tele-

graph editor in 1930, has been news editor since 1932. For some time, he was the Associated Press correspondent in Ithaca, and for many years he has been official scorer of games in Ithaca for the Eastern Intercollegiate Baseball League.

Football Over-emphasis

APROPOS to the articles, "Restoring Amateurism to Intercollegiate Athletics" by James Lynah '05, which appeared in the News of October 1 and October 15, is a Saturday Evening Post editorial in the issue of October 23, "Football's Dirty Linen Sometimes Shows."

The Post editor quotes President Andrew D. White's oft-quoted rejoinder to the request of students in 1873 that Cornell play a football game with Michigan in Ann Arbor, "I will not permit thirty men to travel 400 miles merely to agitate a bag of wind," and cites a story in the same issue of the Post by Mrs. Harry Stuhldreher, wife of the University of Wisconsin coach, of what happens now to big-time coaches whose teams lose games.

The editorial points to the same present-day professionalization of college football that Lynah, writing in the News as chairman of the panel to enforce the NCAA "sanity code," makes clear and proposes to correct. We call your attention to the October 23 Saturday Evening Post.

Sports

(Continued from page 139)

booted two in and Captain Berman one.

That day, the Frosh dropped their first match of the season, to Colgate by a score of 4-2 on Alumni Field. The locals were outplayed throughout by the Red Raider yearlings. Joel White, son of E. B. White '21 of North Brookline, Me., and Alan Krause of Cleveland, Ohio, scored the goals for Cornell.

Cross Country Men Run

THE Big Red harriers travelled to the Hanover hills, October 9, and defeated the Dartmouth cross-countrymen, 20-42. Captain Don Young '49 of Maine led the Cornellians, finishing second behind the Green's Walterman. Other Red runners who counted in the scoring were Harry Daniell '51 of Millinocket, Me., who finished third, and Harry Henriques '51 of Pelham, Bob Fite '50 of Cape May, N. J., John Mellor '50 of Springfield, Mass., and Bob West '50 of Caldwell, N. J., all of whom finished in a dead heat for the next place.

Out after its third straight victory, the cross-country team met instead its first defeat, October 15, at the hands of the Army over the tough West Point course by a 18-47 score. Captain Young was the first Cornellian to reach the finish line, running third behind Army's Dick Lewandowski and Tom Strider who finished in a tie for first place.

Frosh hill-and-dalers posted a perfect score, defeating Manlius 15-45 at Ithaca, October 16, over a two-and-three-quarter-mile course. Six Cornell runners finished before a Manlius man crossed the line. Henderson Cleaves of Staten Island, Bob Kahrs of Malverne, and Bob Robertson of Port Jefferson finished in a dead heat for first.

Coming Events

TUESDAY, NOVEMBER 2

Ithaca: University concert, London String Quartet, Willard Straight Theater, 8:15

FRIDAY, NOVEMBER 5

Ithaca: Freshman soccer, Ithaca College, Alumni Field, 4:30

SATURDAY, NOVEMBER 6

Ithaca: 150-pound football, Pennsylvania, Schoellkopf Field, 12

Soccer, Colgate, Alumni Field, 12

Freshman football, Colgate, Alumni Field, 12

Football, Colgate, Schoellkopf Field, 2
New York City: Cross country Heptagonals, Van Cortlandt Park, 11

WEDNESDAY, NOVEMBER 3

Rochester: President Edmund E. Day at Cornell Club & Cornell Women's Club dinner & dance, University Club, 7

SUNDAY, NOVEMBER 7

Ithaca: Corinthian Yacht Club sailing regatta with Colgate, Hobart, Rensselaer Polytechnic, Syracuse, Cayuga Lake

MONDAY, NOVEMBER 8

Cayuga: Assistant Alumni Secretary Pauline J. Schmid '25 at Cornell Women's Club dinner, Probsts, 7:30

TUESDAY, NOVEMBER 9

Ithaca: University concert, New York Woodwind & Brass Ensemble, Willard Straight Theater, 8:15

FRIDAY, NOVEMBER 12

Ithaca: Fall Week End starts
Savage Club show, "Yalp ta Segavas," Bailey Hall, 8:15

Reception for Savages and their guests, Johnny Parson Club, after the show
Villanova, Pa.: 150-pound football, Villanova

Sampson: Freshman soccer, Sampson

SATURDAY, NOVEMBER 13

Ithaca: Fall Week End fraternity displays
Soccer, Penn State, Alumni Field, 12
Football, Dartmouth, Schoellkopf Field, 2

"Coronation Ball" with Johnny Long's orchestra, Barton Hall, 10:30

MONDAY, NOVEMBER 15

New York City: Cross country Intercollegiates, Van Cortlandt Park

On The Campus and Down the Hill

Sage Chapel Choir began its fourth year of Sunday morning broadcasts over WHCU (10:30 am, EST) October 17 with a program including the Hallelujah Chorus from Handel's "Messiah." The Choir, now in its fiftieth year and numbering 150 mixed voices, will sing a Christmas program before the December recess. Spring term plans include two concerts and a special fiftieth anniversary program.

Kappa Delta Rho house at 306 Highland Avenue, used during the war as a dormitory for women and bought by the Maxwell School when the fraternity chapter suspended operations, has now been purchased by Tau Epsilon Phi who moved from their former residence at 710 Stewart Avenue during the summer.

Watmull Foundation founders, Mr. and Mrs. J. G. Watmull, recently visited the Campus as guests of Ralph G. Starke '19 and Mrs. Starke of Pittsfield, Mass. The Foundation has given assistance to more than 200 students from India during the last five years. Four of these have been Cornellians.

Pilots Club bought a new Piper Cub coupé this summer. It is owned by University Aviation Corp., a subsidiary company formed by Club members who invested in the aircraft. Eugene G. Barker '51 of Albany is president of the Corporation; Janet Stimmings '49 of Newark Valley is vice-president.

Non-compulsory women's meeting, the first under the new WSGA constitution, heard speeches by President Edmund E. Day, Dean of Women Lucile Allen, and Lila MacLeod '49 of Ardsley, president of WSGA, October 4 in Bailey Hall. It was estimated that about two-thirds of the undergraduate women attended.

First snow of the season, October 18, did little damage to autumn foliage whose brilliant colors set against the blue of the Lake have given the Ithaca region a festive look all fall. The forty-five-minute storm cast only a temporary gloom across the scene.

Herald Tribune's seventeenth annual Forum, in New York at the Waldorf Astoria October 18, was attended by six Cornell undergraduates: Stuart M. Paltrow '49 of Bayside representing the Student Council; Lila MacLeod

'49 of Ardsley, president of WSGA; Virginia B. Wylie '49 of Wilkesburg, Pa., president of Mortar Board; and Ann Aikman '49 of Washington, D. C., Ann R. Ellis '50 of Old Bennington, Vt., and John Marcham '50 of Ithaca representing the Sun.

"March of Time" camera crews came to the Ithaca Gun Co. plant to make scenes for a film showing the position of older workers in modern society. The Gun Company was chosen as one of the finest examples of older workers' great value in industry.

Forty Canadians, members of the Barrie Junior Farmers, visited the Campus during a three-day tour of New York State. Guided by Lacey H. Woodward '16, rural youth agent for Southern New York, the young farmers slept at Willard Straight, ate at the Home Economics Cafeteria, and were shown University herds and farms by Professor Harold A. Willman, Animal Husbandry.

Cachet celebrating the University's eightieth anniversary was stamped on 2,955 envelopes sent to Department of Public Information during the three-day celebration. They came from collectors and alumni in thirty-four States, Canada, Great Britain, Egypt, China, and Brazil. Two of the applicants were descendants of Ezra Cornell.

Andrew F. Sturm, proprietor of Sturm Bros. clothing store on Green Street and the father of Mrs. John W. Conner (Margaret Sturm) '35, died October 5. A resident of Ithaca since 1912, Sturm worked first in John J. Guiney's haberdashery; acquired the Green Street store in 1924.

CHIMES in the Clock Tower played again, October 7, on the University's eightieth anniversary, the music the first nine bells first played from the temporary wooden tower on the same site, the afternoon of October 7, 1868, following the Inauguration exercises, downtown. Chimesmasters Charles E. Swanson '49 of Syracuse and Nancy C. Hewlett '49 of Marblehead, Mass., played "Old Hundred," Jennie McGraw's favorite hymn; "Changes," best known to Cornellians as the "Jennie McGraw Rag," "Founders Hymn," a favorite with Ezra Cornell; and the "Alma Mater."

Reveille at 6:45, October 9, in front of Baker dormitories opened an early morning concert by the Harvard Band, just arrived by bus from Cambridge. After awakening Baker, the Crimson marched to Risley, Balch, and Clara Dickson for awakening concerts to Cornell women. Guide on the expedition, according to the Sun, was Donald P. Babson '48 of Wellesley, Mass.

Communist Claudia Jones of Trinidad, BWI, spoke at an open meeting of the Marxist Discussion Group in Willard Straight Memorial Room, October 11. Scheduled to stand trial before US immigration authorities October 15, she told the audience of nearly 100 that recent indictments were "the tragic result of hysteria motivated by attempts to accelerate the war drive in this country."

Perambulating snack bar operated nights by Student Agencies, Inc. serves fraternities, parties, and dance concessions with advance orders, pre-cooked. Hamburgers and hot-dogs are cooked on the wagon's grill. Route now includes fraternity areas and Kline Road dormitories; will be expanded to take in Collegetown. The vehicle was made by students at University of New Hampshire who manufacture them from spare parts for export to hungry campuses throughout the East.

Will of the late Mrs. Juanita B. Bates gives \$2000 to the Ithaca branch of the American Association of University Women for scholarships to Cornell women graduate students. Mrs. Bates was the widow of Former Mayor Frederick E. Bates of Ithaca; her daughter, Juanita Bates '17, was killed in an airplane accident in France in 1923. The bequest establishes the Juanita Bates AAUW Scholarship Fund.

Robinson Airlines service between Ithaca and Albany starts November 8, with an early morning and late afternoon flight each way, daily, via Elmira and Triple Cities.

Dairy industry conference on the Campus in September included discussions of milk prices, recent development of milk and cheese products, and dairy sanitation. Among the many speakers were Professor Clive M. McCay, Animal Nutrition, Professor Arthur C. Dahlberg, Dairy Industry, and Professor Leland Spencer '18, Marketing.

The Faculty

For his service as a member of the US Special Board of Inquiry on Air Safety, **Theodore P. Wright**, vice-president of the University in charge of research and president of the Cornell Research Foundation and of the Aeronautical Laboratory in Buffalo, has received a letter of appreciation and thanks from President Truman. The President wrote the former Civil Aeronautics Administrator: "My attention was invited recently to the statistics on safety in civil air transportation for the first half of this year. These figures compare most favorably with the comparable period of 1947. In connection with this matter, I had occasion to refer again to the report of the Special Board of Inquiry on Air Safety, of which you were a member. It has occurred to me that thus far I have not personally conveyed my appreciation and thanks for your efforts as a member of that Board. I have no doubt that the impact of the recommendations in your report is directly connected with the marked improvement of safety in air transportation. There can be no more cogent testimonial to the great value of your contribution." In September, Wright spoke on "Aviation and Present Trends with Reference to Jet Propulsion and Supersonic Flight" at the Bell Telephone Laboratories in New York City. He is a trustee of Aviation Research Institute, which publishes the World Aviation Annual, covering the current status of aviation in the United States and abroad.

Professor **Homer C. Thompson**, Vegetable Crops, left September 24 for a six-month sabbatic leave in Costa Rica. Associated with the Inter-American Institute of Agricultural Science, he will conduct seminars and advise on vegetable production.

Professor **G. Watts Cunningham**, PhD '08, is chairman of the Department of Philosophy this year, while Professor **Arthur E. Murphy** is on leave. From January to June, Professor Murphy will be visiting professor at the University of Washington in Seattle.

Professor **Milton R. Konvitz**, PhD '33, Industrial and Labor Relations, has been appointed to the commission on community organizations of the National Conference of Christians and Jews. For five years Professor Konvitz has conducted a column, "The Pursuit of Liberty," in the quarterly, *Common Ground*, published by the Council for American Unity. The

fall issue contains an article by him on "The DP Law and Discrimination in Immigration." Harvard Law Review for May contains his reviews of Hocking's *Freedom of the Press: A Framework of Principles*, and Chaffee's *Government and Mass Communication*.

Professor **Leonard P. Adams**, PhD '35, is director of research in the School of Industrial and Labor Relations.

President **Sarah G. Blanding** of Vassar, former Dean of Home Economics, was awarded the honorary LLD at the University of Pennsylvania in June. The honor was bestowed with this citation: "Leader in education, you are now president of a noted American college. Through your natural competence and your training both here and abroad, you gave much to others at the University of Kentucky and at Cornell University. Because of your ripening wisdom and your broadening experience, your influence in the mental and spiritual growth of others is extending beyond Vassar College throughout the nation and throughout the world."

Professor **Andrew S. Schultz, Jr.** '36, Industrial and Engineering Administration, has been elected president of the Southern Tier Society for Quality Control.

Articles by Professors **Mary Koll Heiner**, Economics of the Household and Household Management, and **Ruby M. Loper**, Housing and Design and Agricultural Engineering, were included in a special supplement of the New York Times, October 2, entitled "The Home, Its Decoration and Its Maintenance." Professor Heiner discussed "Planned Storage," and Professor Loper told how to remedy cellar dampness.

Professor **Lane Cooper**, English Language and Literature, Emeritus, and his brother, Drury W. Cooper, have presented to the State University of New Jersey a bronze tablet in memory of their father, the late Dr. Jacob Cooper, who was a professor at Rutgers University for thirty-seven years, and their mother. The memorial was placed October 9 in Cooper Hall, former residence of the Coopers now used as the dining hall at New Jersey College for Women, the women's college of Rutgers. Dr. Cooper went to Rutgers in 1866 as professor of Greek language and literature, and from 1893-1904 was professor of logic and mental philosophy.

Professor **Thomas A. Ryan** '33, Psychology, currently doing Naval research on air fatigue and safety, served on a research committee of the

President's Conference on Industrial Safety, September 27-29, in Washington, D. C.

Professor **J. Barkley Rosser**, Mathematics, is one of six mathematicians named as an advisory committee to the Army. During the war, he was chief of the theoretical ballistics section of the Alleghany Ballistics Laboratory of Georgetown University. In September, Professor Rosser spoke at a meeting of the Mathematical Association of America at the University of Wisconsin.

Conference of college admissions officers and secondary school principals and advisers at Radcliffe College, Cambridge, Mass., October 2, was attended by Professor **Blanchard L. Rideout**, PhD '36, assistant Dean and chairman of the committee on admissions of the College of Arts and Sciences.

Symposium on "The World Today" was a feature of the inauguration of **Arthur S. Adams**, former Provost, as president of the University of New Hampshire at Durham, October 7-9. Among the symposium speakers were the State Governor, Charles M. Dale; Charles E. Saltzman, US Assistant Secretary of State; Charles E. Gratke, foreign editor of the *Christian Science Monitor*; Professor Sumner E. Slichter of Harvard; John L. Sullivan, Secretary of the Navy; General Lewis B. Hershey, USA director of Selective Service; Rear Admiral Lewis L. Strauss, USNR, member of the Atomic Energy Commission; and President Oliver C. Carmichael of the Carnegie Foundation for the Advancement of Teaching.

Professor **Urie Bronfenbrenner** '38, Child Development and Family Relationships, College of Home Economics, directs research in that Department. He also is a member of the Psychology Department.

Reorganization of the University Library in the last year and a half was described by Director **Stephen A. McCarthy** at a New York Library Association conference in Saranac Lake, October 1. He explained the division of the Library's activities into readers' services and technical services, each headed by an assistant director. **Giles F. Shepherd, Jr.** is in charge of readers' services, including the circulation, reference, and periodical departments, special collections in the central Library, and those Departmental and College libraries which are a part of the University Library system. **Felix Reichmann** is in charge of technical services, concerned with acquisition, cataloging, classification, and binding.

News of the Alumni

Personal items and newspaper clippings about Cornellians are earnestly solicited

'98, '00 CE—**Edgar Johnston** is district manager of the general sales office at 19 Rector Street, New York City, of Carbondale Grate-Bar Co., manufacturers of grates, dampers, and combustion systems. He lives at 609 Park Avenue, East Orange, N. J.

'98 PhB, '99 LLB — **Ernest G. Lorenzen**, professor emeritus of law at Yale University, married Mary L. Weer, a friend of twenty-one years, October 9 in San Francisco, Cal. He is teaching at present at the Hastings College of Law in San Francisco.

'00 LLB—At a banquet given in June by the Yale alumni track committee to celebrate the Yale track team's winning of its first Intercollegiate Association of Amateur Athletics of America championship since 1924, **John T. McGovern** was the only guest of honor besides the members of the team, the coaches, and the committee. McGovern has acted as referee of the Yale-Harvard and Yale-Princeton meets for the last twenty years. He was appointed an honorary member of the committee.

'03 AB—**Herbert D. A. Donovan** has moved from Bayside to 11 Kamda Boulevard, New Hyde Park.

'10 AB—**Lawrence R. Bandler** was elected June 1 vice-president of Griswold & Co., 60 Beaver Street, New York City. He lives in New York at 106 West Fifty-sixth Street.

'11 ME—**Oscar G. Miller** is New York district manager for Rome Cable Corp. His address is 60 East Forty-second Street, New York City 17.

'12 BS—**Edward L. Bernays** was chairman of a panel discussion on "The Library's Responsibility for Better Human Relations in a Democracy" at the final evening session of the annual conference of the New York Library Association held September 30-October 3 in Saranac Lake. Bernays is a public relations counsel with offices at 26 East Sixty-fourth Street, New York City 21.

'12 ME—"I had an interesting time this summer fishing for Atlantic salmon in New Brunswick and trout in Idaho with **A. H. Hutchinson '09**, and with **E. H. Baker, Jr. '12** in British Columbia, fishing for King and Coho salmon," writes **Frederick W. Krebs**. Krebs is vice-president of Super Steels, Inc., and his address is 3813 Euclid Avenue, Cleveland, Ohio.

'13 CE—**Harry G. Specht** has been re-elected president of Belleville Foundation, a charitable organization in

Belleville, N. J., where he is vice-president and general manager of Eastwood Neally Corp. Specht lives at 125 Lorraine Avenue, Upper Montclair, N. J.



'13 ME, '15 MME, '17 PhD—**Dr. Ralph Bown** (above), research director of Bell Telephone Laboratories, New York City, has been named to receive the annual Medal of Honor awarded by the Institute of Radio Engineers. Given in recognition of Dr. Bown's "distinguished service rendered through substantial and important advancement in the science and art of radio communication," the award will be made at the Institute's convention next March. Dr. Bown was president of the Institute in 1926 and that year received its Morris Liebmann Prize for his distinguished research on wave transmission phenomena. As a division member and consultant of the National Defense Research Committee, he specialized in radar, and in 1941 was sent to England by the Government to study radar operations under combat conditions. He also served as expert consultant to the Secretary of War.

'15, '16 LLB—**Herbert J. Adair** has been elected president of Artloom Carpet Co., Inc., Allegheny Avenue and Howard, Philadelphia, Pa., of which he has been a director for the last ten years. He is a member of Chi Phi, lives near the Pine Valley Golf Course, Clementon, N. J.

'15 AB—**Yuan S. Djang**, executive director of the International Relief Committee of China, 1320 West Peking Road, Shanghai 23, visited the Campus this summer for the first time since he graduated in 1915. He stopped in the Alumni Office and left his contribution to the Alumni Fund. A

United Nations Fellow, Djang is also adviser to the Chinese minister of social affairs, executive secretary of the China International Famine Relief Commission, executive director of the National Rural Reconstruction Council, and treasurer of the Field Office, United China Relief, Inc. He was formerly director of the department of the co-operatives and of the department of commerce, and until recently was chairman of the technical committee on engineering work relief and a member of the technical committee on medicine and health of the Executive Yuan Commission for American Relief Supplies. Djang's hobby is the Chinese Handicraft Movement, which was initiated in 1942 by the International Relief Committee of China with the purpose "to evolve a system whereby rural welfare can be improved through economic use of spare labor and native craftsmanship organized in simple co-operatives to play their part in an integrated program for rural recovery." He is president of the Chinese Handicraft Association and managing director of the Chinese Handicraft Corp.

'15 AB—Class Secretary **Hugh C. Edmiston**, Box 210, Short Hills, N. J., an importer of English china and earthenware with offices at 225 Fifth Avenue, New York City 10, writes: "I am now back at work on a half-time schedule, getting into shape for Reunion in 1950. Michigan's leading pitcher in 1947 and 1948 and leading Big Nine pitcher in 1948 was Arthur Dole III, son of **Art Dole '15**. 'Lil Arthur served in the Navy, got to Michigan in V-12, and remained there to graduate last June with an eighty-five average for his course."

'15 ME—**R. King Stone**, manufacturers' agent, represents in North and South Carolina and parts of Virginia Ross-Meehan Foundries, Moccasin Bushing Co., and Foundry Division, Chattanooga Pattern Works, all of Chattanooga, Tenn., and Wedgeplug Valve Co., Inc., New Orleans, La. His business address is PO Box 2720, Charlotte, N. C., and he lives in Charlotte at 344 North Caswell Road. Stone writes: "Just want to tell the boys that the Piedmont Carolinas is the coming industrial section of the United States. If they want to know more about it, write me. All types of industries are down here now and more coming."

'16 AB, '20 CE—**Fred C. Griffith** is district traffic superintendent for the

New York Telephone Co. and lives at 170 Church Street, Poughkeepsie.

'16 AB—For the first time in eight years **Clarence E. Kilburn**, Congressman from the Thirty-fourth Congressional District, New York, "had a fight" in the Republican Primary. He won by a vote of nearly two to one. Kilburn is president of the Peoples Trust Co. of Malone in Malone, where his address is 59 Milwaukee Street.

'17 ME—**Harold G. Meissner** has made several extensive trips to Cuba and Mexico for the Combustion Engineering Co., 200 Madison Avenue, New York City, which is developing its export market. He lives at 61 Dell Avenue, Mt. Vernon.

'17 BS—**Lloyd B. Seaver's** son, Richard, who graduated from the University of North Carolina in 1947 with honors in English and is a member of Phi Beta Kappa, is attending the Sorbonne, Paris, France, on a fellowship from the American Field Service. Seaver is manager of the thread manufacturing division of Belding, Heminway, Corticelli Silk Co., Putnam, Conn., and Morristown, Tenn.; lives in Thompson, Conn.

'18 BS—**Mrs. Elizabeth Alward Kilbourne** of 219 Phelps Road, Ridgewood, N. J., is chairman of the committee on emergency menus of the Ridgewood citizens food committee.

'20 BS—**Everett W. Lins** married July 3 in Old Greenwich, Conn., Mrs. Margaret Beam Van Dusen of Asheville, N. C., who received the AB in 1928 from Women's College of the University of North Carolina and whose son, **Donald Van Dusen**, entered the University this fall. Lins is division manager of American Fruit Growers, Inc., Fee Building, Fort Pierce, Fla.

'23, '24 ME—**Stanley A. Haviland's** oldest son, Neal B. Haviland, entered Electrical Engineering in September after two years in the Navy. Haviland, who has four other sons, is an engineer with American Telephone & Telegraph Co., 195 Broadway, New York City; lives at 20 Alston Court, Red Bank, N. J.

'24 ME—**Paul H. Knowlton, Jr.**, assistant to the manager of engineering in the turbine engineering divisions of the General Electric Co., lives at 1387 Keyes Avenue, Schenectady. He has two daughters in college and one in high school. Of the youngest he comments, "Maybe she will go to Cornell, although the other two didn't."

'24 CE—**Frederic C. Wood** of Brookridge Drive, Greenwich, Conn., is vice-president and director of buildings and service for W. T. Grant Co., New York City.

'18—**Oliver W. Holton** has moved to Cherry Hill Farm, Pleasant Valley, Buck County, Pa., but he still has his general insurance agency in Bethlehem, Pa.



Wallace B. Quail, Class Correspondent
503 S. Main St., Middletown, Ohio

'19—If you don't already know it, a sure way to get a letter from **Jim Hillas** is to send him a check for \$5.00 for your Class dues. I can assure you the letter you receive will be well worth the money, to say nothing of doing your duty in getting the Class treasury in the black for our 30th Reunion next June. Incidentally, Jimmy has received as of this writing something over 100 checks for Class dues and he will be most unhappy until he gets your \$5.00.

The votes on the Class constitution will have been counted before you read this, and there is every reason to expect overwhelming approval of this constitution.

The Reunion organization is being set up and the area chairmen will want the help of everyone in getting a big delegation back to Ithaca next June.

Johnny Hollis is taking over the chairmanship of the Alumni Fund after the excellent year's work just completed by **Seth Heartfield**. I have a feeling **Bill Emerson** will have his finger in this job too, so you can expect to be hearing from both of them. You might just as well give up now and plan to send in your check as soon as Johnny and Bill get after you.

'25 AB, '38 PhD—**Arthur M. Coon**, dean of liberal arts at Sampson College, edits *The Seventeenth Century News Letter of the Period of Milton Group of the Modern Language Association of America*. He took over the editorship with the March, 1948, issue, when the Letter resumed quarterly publication after a lapse of a year. Dean Coon was editor-in-chief of *The Cornell Widow* in 1925.

'25 CE—**Norman D. Kenney** joined the staff of G. Douglas Andrews Associates, engineering consultants, 212 Washington Avenue, Towson, Md., June 1. He lives at 5717 Chilham Road, Baltimore 9, Md.

'26 AB—**Mrs. Harry J. Carlin (Bessie Fox)** of 29 Washington Square West, New York City 11, wants to hear from old friends **Mrs. Leona Kruger Wallichs '22**, **Mrs. Ella Jones Hughes '26**, and **Margaret L. Plunkett '27**.

'27 AB—**Everett C. Bradley**, mem-

ber of the ALUMNI NEWS advisory board, has joined The Biow Co., advertising, 9 Rockefeller Plaza, New York City 20; lives at 65 Hunter Avenue, New Rochester. He was recently vice-president of Grant Advertising, Inc., in Chicago, Ill.

'28, '31 BArch—**Frederick L. Langhorst** won first prize in a House & Garden nationwide competition last spring for houses built during the last seven years. The winning house was featured in the April issue of *House & Garden* and also in the April issue of the *Architectural Record*. Langhorst is on the advisory board of *Arts and Architecture* magazine, the board of directors of the San Francisco Planning and Housing Association, the membership committee of the San Francisco Museum of Art, and the urban planning committee of the American Institute of Architects. He and Mrs. Langhorst, also an architect, a graduate of Oklahoma University, with the MArch from MIT, live at 2965 Magnolia, Berkeley 5, Cal. They have three daughters.

'28 AB—**Robert M. Leng**, a partner in Loomis, Suffern & Fernald, certified public accountants in New York City, was recently elected a member of the board of trustees of Staten Island Hospital. He lives on Staten Island at 14 Conyngham Avenue. Leng is also a member of the board of trustees and treasurer of the Staten Island Institute of Arts and Sciences and a member of the board of managers of the Staten Island branch of the YMCA.

'28 EE—**Andrew J. McConnell** is with the central station engineering division of General Electric Co. in Schenectady. He lives at 23 Hawthorne Avenue, Delmar.

'29 CE—**Joseph T. Froehlich** is now superintendent of Eastern United States terminals for The Texas Co., with which he has been associated since graduation. His home is on Nottingham Road, Rockville Centre.

'29 AB—**Louis L. Spirt** is president of Spirt & Co., Inc., Waterbury, Conn., which he organized for the marketing of Lipan, an internal treatment for psoriasis. He spent four years with the Army Air Corps on duty with the Secretary of War as chief of the Washington office of the US Strategic Bombing Survey, being released in May, 1946, as a major. In January, 1943, Spirt married Mrs. Thelma F. McDonough of Waterbury. Their address is 104 Eastfield Road, Waterbury, Conn.

'29 AM—**Milford R. Waddell**, industrial and public relations director for Black, Sivals & Bryson, Inc., Kansas City, Mo., accompanied Arthur J. Smith, president of the company, and other company officials to

New York City for the Annual Report Awards banquet, October 21. For the second consecutive year, the company has received the "Oscar of Industry" trophy for the best annual report in its division, material handling equipment, in the survey of annual reports conducted annually by Financial World. Waddell is president of the Kansas City chapter of the National Industrial Advertisers Association and was recently elected to the national board of directors of that group.

'30 AB—**Cameron M. Fisher**, son of **William E. Fisher '96**, married Alice M. Muessel, June 19 in New York City. They live in New York at 210 East Thirty-eighth Street.



'30 PhD—**Wayne E. Kuhn** (above), manager of the technical and research division of The Texas Co., New York City, has been elected chairman of the division of petroleum chemistry of the American Chemical Society for 1948-49. He succeeds **Gustav Egloff '12**, director of research of the Universal Oil Products Co., Chicago, Ill. Kuhn, who joined The Texas Co. in 1929, has held his present post since 1938. Holder of a number of patents and chairman of several national committees on technical work, he is a member of the American Petroleum Institute, the American Society for Testing Materials, the Society of Automotive Engineers, the American Institute of Chemists, the American Institute of Physics, the National Aeronautical Association, the Society of Chemical Industries of London, the National Farm Chermugic Council, the Army Ordnance Association, the American Association for the Advancement of Science, the Chemical Society of London, and the Institute of Petroleum. He lives at 4 Rodney Road, Scarsdale.

'30 AB—**Sidney Levy**, treasurer of the Silver Stationery Co., Inc., 119

Fulton Street, New York City, married Marie Galloway in July. They live at Hotel Granada, 268 Ashland Place, Hotel Oranda, Brooklyn.

'31 AB—**Edward J. Mintz** of 22 Pajaro Circle, Salinas, Cal., representative of the New York Life Insurance Co., is president of the 1948 Top Club Council, an organization of the company's field force of more than 5,600 agents in the United States and Canada. To qualify for the presidency of the Council, Mintz sold 149 policies for \$2,772,163, in the New York Life during the year. He is the son of **Aaron Mintz '01**.

'31 EE—**Harold B. Vincent, Jr.**, son of **Harold B. Vincent '04**, is a Desoto-Plymouth dealer, lives at 6636 Thirty-first Place, NW, Washington, D. C., and has a two-year-old son, Harold B. Vincent III.

'32 AB; '34 AB; '40 AB—**Louis M. Bernstein** and Mrs. Bernstein (**Sylvia Livingston**) '34 have bought a home at 1 Huguenot Drive, Larchmont. Mrs. Bernstein writes that her cousin, **Dr. Harold L. Mamelo '40**, and Mrs. Mamelo have a baby son, Richard David, and have moved into Stuyvesant Village, the new Metropolitan Life Insurance Co. development in New York City. Dr. Mamelo served with the Army overseas.

'33 AB—**L. Joseph Stone** is associate professor of child study at Vassar College, Poughkeepsie, and lecturer in child psychology at the New School for Social Research, New York City. He is serving as diplomate in clinical psychology for the American Board of Examiners in Professional Psychology, Inc., and as director and chairman of the membership committee of the New York State Psychological Association. The Stones, who celebrated their fifteenth wedding anniversary June 23, have three daughters: Deborah, seven, Susannah, six, and Miriam, three, for whom the regatta helps keep Cornell alive "even though they are exposed constantly to the Vassar influence," according to their father. Stone also wrote that he was delighted to hear of Professor Robert B. MacLeod's return to the Psychology Department.

'35, '36 BS in AE—**Harold E. P. Barta** and Mrs. Barta of Calle Campestre 18, San Angel Inn, Mexico, D. F., Mexico, have a son, Peter Curry Barta, born June 24. Mrs. Barta is the former Phoebe J. Conover and she attended Allegheny College and the graduate school of the University of Pennsylvania. Barta is technical director and manager of Centrifugas S.A., Articulo 123, 122-201, Mexico, D.F., Mexico.

'35 AB—**John A. Froehlich** is an



WE'RE going to talk about some NEW things that are making a big hit with our Campus customers, because our off-Campus customers like new things too.

We have a new line of **Pen-nants, Banners, Pillows** etc., made up by a new process called Chromtone. This process reproduces the Cornell Seal or Mascot in a full range of colors instead of one color only and the prices are very reasonable. We would like to send a price list to you—a postcard will bring it.

We're using a big 12-inch Chromtone Seal on the **Cornell Blanket** and it's a real job: big, heavy and beautiful for only \$12.00.

We've got some new **Mascots** in Cornell colors — Cubby the Cornell Bear, Hans the Dachshund, Lo the Poor Indian, and a Republican Elephant to go with the Democratic Donkey.

There's a new size in **Cornell Glasses**—a 3½ ounce cocktail size at \$4.50 a dozen.

We have a lot of other new things, but we don't have any more space, so we will tell you about them next month.

THE CORNELL CO-OP

Barnes Hall Ithaca, N. Y.

attorney at law and his address is South Country Road, Bay Shore.

'36 ME—**J. Vernon Ashworth** was transferred early this year by US Steel from Federal Shipbuilding & Dry Dock Co., where he was supervisor in charge of the progress control section, to US Steel Export Co., 30 Church Street, New York City 8, where he is an engineer in their fabricated structural steel division. He lives at 32 Coeyman Avenue, Nutley 10, N. J.

'36 BArch—Colonel **Edmund R. MacVittie**, PO Box 1405, Cristobal, Canal Zone, is superintendent of the Building Division, Panama Canal, commanding officer of the 7350th Infantry Regiment Reserve, president of the Canal Zone Department of R.O.A., the Cristobal-Colon Rotary Club, and the Society of American Military Engineers Canal Zone Department, and chairman of grounds and maintenance of the Brozo Brook Country Club.

'36 BS in AE—**Hernand Torrellas** resigned as assistant engineer with Central Roig, Yabucoa, Puerto Rico, in September to become acting general manager of the Fellsmere, Fla., Sugar Producers Association. He took the position with Central Roig after graduation. In October, 1940, he entered the Army and was released as a major in the Reserve in December, 1945, after which he returned to Central Roig. Torrellas's address is Box 107, Fellsmere, Fla.

'37 AB, '41 MD—A son, Harry Mayfield Dixon II, was born May 9 to Dr. **Wilbur M. Dixon** and Mrs. Dixon of 8 Asbury Court, Binghamton. Dr. Dixon is an obstetrician and gynecologist.

'37 AB, '39 LLB—**Thomas L. Driscoll, Jr.** formed a law partnership with Henry A. Shapiro January 1, under the firm name, Shapiro & Driscoll, and with offices at 311 Hempstead Turnpike, Franklin Square, New York City. A daughter, Susan Jeanne Driscoll, was born February 5 to the Driscolls, who live at 3 Milton Street, Lynbrook.

'37 BS; '41 BS—**Edwin R. Webster** and Mrs. Webster (**Rhoda Dunham**) '41 of 900 Stadium Avenue, West Lafayette, Ind., have a third son, Charles Lindsley Webster, born July 2. The baby joins Douglas, six, and Thomas, three, and his grandfathers are Dr. **Charles H. Webster** '04 and **Clarence L. Dunham** '12. Webster is assistant foods supervisor for men's residence halls at Purdue University.

'37 BChemE—**Gerald H. Weierbach** was elected last January secretary-treasurer and manager of Best

Made Silk Hosiery Co., Quakertown, Pa. His address is 213 South Ninth Street, Quakertown, Pa.



'37—**Arthur O. Stout** (above) ★ has been promoted by the Army to the permanent rank of major, MSC. With the medical department since January, 1941, he is now organization inspector of the USAF School of Aviation Medicine at Randolph Field, Tex.

'39 BS—Major **Charles P. Clark, ★ Jr.**, USA, son of **Charles P. Clark** '15, is stationed in Grafenwohr, Germany, with the 1st Infantry Division and his address is Headquarters, 5th Field Artillery Battalion, APO 66, Care Postmaster, New York City. He writes that a daughter, Stephanie Yates Clark, was born February 3 in Munich, Germany, to him and Mrs. Clark; that he saw Major **William S. Barnett** '39, who is in Grafenwohr with the 94th Field Artillery Battalion.

'40, '41 AB—A son, Stanley W. Allen III, was born about three months ago to **Stanley W. Allen, Jr.** and Mrs. Allen of 27 Walnut Street Avenue, Cincinnati 15, Ohio. The baby, the grandson of **Stanley W. Allen** '10, has a two-year-old sister. Allen is a field sales manager for Kemper-Thomas Co., advertising firm in Cincinnati.

'40 AB, '43 AM—**Elizabeth W. Olesen** is a vocational counselor and librarian at the YMCA Vocational Service Center in New York City, "helping both veterans and non-veterans to choose vocations, partly through interviewing and partly through library materials." **John Connelly** '21 is a veterans' counselor at the Center. Miss Olesen's main outside activity is singing with Robert Shaw's Collegiate Chorale. She lives at 414 West 120th Street, New York City 27.

'40 BS—Mrs. **John J. Kennedy (Carol Riordan)** is now living in Puerto Rico. Her husband is professor of political science and director of the

survey of municipal government in Puerto Rico at the University of Puerto Rico. Address her at Box 105, University of Puerto Rico, Rio Piedras, P. R.

'40 AB—**Jane Rakestraw's** address is 194 East Grand Boulevard, Detroit, Mich.

'40 DVM; '45 DVM—A son, their first, was born June 11 to Dr. **R. George Wiswall** and Mrs. Wiswall of RD 2, Upper Glen Street, Glens Falls. Their daughters are Patricia Jean, born November 28, 1942, and Susan Marie, born September 4, 1945. Dr. Wiswall is in partnership with Dr. **Harrison J. Wilcox, Jr.** '45 in the practice of veterinary medicine and is supervisor of saliva tests and chief veterinarian at the Saratoga Raceway.

'41 AB, '48 MS in I&LR—**William Patrick Burns IV** was born October 1 to **William P. Burns** and Mrs. Burns of Estil Drive, Charleston, W. Va.

'42 BS—**Russell H. Bradley**, who received the MS at Purdue University in June, has returned to the University as a graduate assistant in Plant Breeding. He and Mrs. Bradley (**Sarah Lockwood**) '43 and two-year-old son, Jonathan, live on German Road, Route 4, Ithaca.

'42, '46 AB—**William H. Bright** has joined the New York sales department of Rome Cable Corp. He and Mrs. Bright and daughter, Julie, live at 266 Concord Road, Yonkers 2.

'42 AB—**Jane W. Connors** is now Mrs. Harry P. Quinn, Jr. and her address is 140 Garfield Avenue, Bridgeport 6, Conn.

'42 BS, '48 MBusAd—**John Rivoire** is a public administration interne with the New York State Civil Service, assigned to agriculture and markets. His address is 148 Chestnut Street, Albany 6.

'42, '43 BEE—**Robert W. Sailor, Jr.**, formerly with field service engineers, Philco Corp., has been in the auto-radio section of the engineering department of the same organization since November, 1947. He is studying for an MEE at night school at the University of Pennsylvania and hopes to receive the degree in about three years. His address is One West Chestnut Hill Avenue, Philadelphia 18, Pa. Sailor is the son of **Robert W. Sailor** '07, formerly editor-in-chief of the ALUMNI NEWS, and Mrs. Sailor (**Queenie Horton**) '09.

'42 BS—A daughter, Mary Nes Wannop, was born August 14 to **John Wannop** and Mrs. Wannop, the former Mary Fitts. Wannop is reservation and front office manager of Skytop Lodge, Skytop, Pa.

Some words fool you:

P. Ballantine & Sons,
Newark, N. J.



CRANE
means

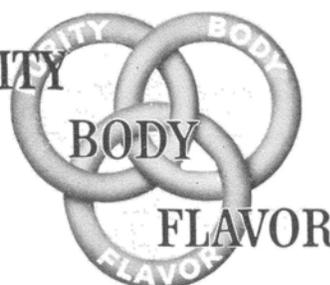


CRANE
means



but **BALLANTINE**
always means: **PURITY**

It's always a pleasant get-together . . .
when there's a bottle or two of **PURITY**,
BODY and **FLAVOR** on the table. Look
for the 3 rings . . . call for Ballantine!



Pres., Carl W. Badenhausen, Cornell '16
Vice Pres., Otto A. Badenhausen, Cornell '17

America's finest since 1840

'43 BME—**John T. Hodges**, formerly with the Locomotive Development Committee, Baltimore, Md., and now with EBASCO Services, Inc., New York City, received the MSE at Johns Hopkins University in May. He lives at 164 Vose Avenue, South Orange, N. J.

'43, '47 AB—**William H. MacKinnon** has moved from Long Island City to Apartment 16E, 501 West 113th Street, New York City 27.

'43, '44 BChemE—**John A. Newman** and Mrs. Newman, Box 32, Kilgore, Tex., have a son born June 17. Newman comments: "We are happy to announce the arrival of a man-child, Bill, to halt what threatened to be a growing family of women. At present we are living in the Shell Oil camp in Kilgore, surrounded by three kids, a dog, and somebody else's oil wells." Son of **Floyd R. Newman '12** and Mrs. **Ruby Ames Newman '13**, Newman is an exploitation engineer with Shell Oil Co.

'43 BChemE, '47 MChemE—**Michael R. Sfat** recently became engaged to Carolyn J. Buckridge of Roselle, N. J. A chemical engineer and microbiologist for Merck & Co., Sfat lives at 1027 Jaques Avenue, Rahway, N. J.

'43 AB; '43 AB—**C. Lawrence**

Swezey was graduated in June from the Leland Stanford University school of law and is now with the Supreme Court of California as research assistant to Justice Homer R. Spence. He and Mrs. Swezey (**Betty Ann Bishop**) '43 live in Palo Alto in Apartment 12, 928 Willow Road. While at Stanford, Swezey was elected to the Order of the Coif, honorary national legal fraternity.

'44, '48 AB; '47 AB—A son, Garrett Bryan Bacorn, was born August 29 to **Richard L. Bacorn** and Mrs. Bacorn (**Martha Titus**) '47. Bacorn, who graduated in June, has entered the Law School, and their home in Ithaca is at 118 Grandview Court. Mrs. Bacorn was an assistant in the ALUMNI NEWS office.

'44 AB—**Barbara Gans** of 15 West Seventy-third Street, New York City, is an educational field worker with consumers for Farmer Milk Cooperative, Inc.

'44, '46 AB—A daughter, Judith Hofheimer, was born September 23 in White Plains to **Joseph Hofheimer** and Mrs. Hofheimer, the former Natalie Doernberg, Mount Holyoke '44, of 806 Bronx River Road, Bronxville. Hofheimer is a salesman for a wholesale paper company.

'44 AB—**Barbara A. Van Slyke**, a teacher at the Ganada Mission High School, Ganada, Ariz., was married September 11 to Douglas N. Anderson, a trader on the Navajo Indian Reservation and an alumnus of the University of California at Berkeley. Matron of honor was Mrs. **Dorothy Dodds Kraker '42** and her husband, **James L. Kraker, Jr. '42**, was one of the ushers. Mrs. Anderson is continuing to teach at the Ganada Mission High School.

'44 AB—A daughter, Gail Wendy Kulin, was born September 4 to Mr. and Mrs. S. A. Kulin (**Irene Zellin**) of 184 Concord Avenue, Belmont, Mass.

'45, '44 BS—**Margaret L. Edsall** was married October 2 to E. W. Poole of Richland Center, Wis. They live in Walkkill and both are employed at the Central Hudson Gas & Electric Co., Newburgh.

'45, '48 MD; '48 MD—Drs. **Alan Iddles** and **Marcia Kelman Iddles '48** are interning at New Britain General Hospital, New Britain, Conn.

'45 BS in ME, '48 MBusAd—Acting Class Secretary **William D. Knauss** has been transferred by Baldwin Locomotive Co. as manager of their Diesel engine spare parts department in Chicago, Ill. He lives at the Hotel Lan-

AS A FEATURE OF FALL WEEK-END

Nov. 12 and 13

THE SAVAGE CLUB OF ITHACA

presents its

1948 EXTRAVAGANZA OF ENTERTAINMENT

“YALP TA SEGAVAS”

(SAVAGES AT PLAY)

BAILEY HALL

8:15 p. m. FRIDAY EVENING November 12

Reserved Seats - \$1.50 (tax included)

Alumni may obtain tickets by mailing check by November 8, to R. S. Brewer, Admin. Bldg., Cornell University, Ithaca, N. Y. Former Savages are urged to so indicate when ordering tickets by mail.

sing, 1036 North Dearborn, in Chicago. Knauss is the son of **Edwin S. Knauss '20** and Mrs. Knauss (**Dorothy Pond '18**, president of the Federation of Cornell Women's Clubs.

'45, '44 BS in ME—**Stanley I. Loubet** was to have been married to Marguerite Bochner of Newark, N. J., in November. An industrial engineer with Worthington Pump & Machinery Corp., Harrison, N. J., he lives at 375 Leslie Street, Newark, N. J.

'45 AB—**Samuel W. W. Mitchell** and Mrs. Mitchell, who recently moved to 12 South Britton Road, Springfield, Pa., have a son, Gary Stephen Mitchell, born September 9.

'45 BS—Dr. and Mrs. Stanley D. Freint (**Betty Plager**) of 425 Summit Avenue, Hackensack, N. J., have a daughter, Jill Alene Freint, born May 31. Dr. Freint, a graduate of the University of Pennsylvania, practices dentistry in Hackensack.

'45 BS—**Seymour Pomper** is a graduate student at Yale University, New Haven, Conn., where his address is Osborn Botanical Laboratory. He holds a fellowship there.

'45, '44 BS—**Shirley V. Walter** was married June 19 in Buffalo to John C. Oberkircher, a member of the class of '50 at the University of Buffalo. **Mar-**

garet L. Edsall '44 was maid of honor. The couple spent a week at Highland Lodge, Canada, for their honeymoon. Their address in Buffalo is 223 Lexington Avenue.

'46, '47 AB—**Peter P. Barbara** started an internship in clinical psychology at Connecticut State Hospital, Middletown, Conn., in September. He has matriculated for the PhD in that field at New York University, where he received the AM in June. This summer he interned in the testing division of the YMCA Vocational Service Center in New York City.

'46 AB—**Dorothy A. Harjes** is adjustment correspondent with Prentice-Hall, Inc., 70 Fifth Avenue, New York City 11; lives at 2803 Morris Avenue, Bronx 48.

'46 BS in AE; '46—**John D. Holmes, Jr.** and Mrs. Holmes (**Genevieve Perera**) '46 have a daughter, Sharon Holmes, born May 26 in Newark, N. J. They live at 600 Sherwood Parkway, Westfield, N. J.

'46, '45 BS in ChemE, '47 BChemE—**Chester L. Knowles, Jr.** was to marry Barbara S. Roberts of Indian Orchard, Mass., August 21 in West Springfield, Mass. Knowles is a maintenance engineer for Monsanto Chemical Co. plastics division in Springfield, Mass.

'46; '44, '43 AB, '47 AM—**Willard W. Lehr, Jr.** of 20 Main Street, Pittsfield, Me., purchased 100 per cent interest in S. M. Cook Insurance Agency May 10. He previously held one-half interest. Lehr writes that **George L. Kustas '44** is working for the PhD at Harvard graduate school.



'46 AB—**Edith Sasman**, in the picture above, wears the wings of a United Air Lines stewardess which

she won recently after an intensive three-week course at the company's stewardess training school in Cheyenne, Wyo. She now is flying on United Mainliner flights out of New York City. Her home is at 617 Baltzell Street, Madison, Wis.

'46 AB—**Francis J. Suttill, Jr.** was honor man of the US Naval Academy, Annapolis, Md., 1948 graduating class in June, having the best academic average of any man in the class. A lieutenant (jg) in the midshipman's brigade and second battalion adjutant, he first entered the Academy in 1942. Because of physical disability he left in 1944 and entered Cornell, graduating in February, 1946. That June he re-entered the Academy and was immediately advanced to the 1948 class.

'47 PhD—**John G. Atkins, Jr.** married Mrs. Sibyl W. Irby, who received the BS at Louisiana State University in 1942, June 5. Atkins is assistant plant pathologist at Louisiana Agricultural Experiment Station, Baton Rouge, La.

'47 AB—**Zue M. Bronaugh** was married July 9 to Rollin B. Cockley. Both graduate students at Ohio State University, they live at 81 Selby Boulevard, Worthington, Ohio.

'47 AB—**Barbara A. Bruckheimer** holds an assistantship at the University of Buffalo, working for the AM in clinical psychology. She returned to Buffalo in September after being a cardiac research worker with the New York Heart Association. Her address in Buffalo is 298 Highland Avenue.

'47 BS—**Jane C. Coolican**, assistant home demonstration agent in Oneida County, attended the University Summer Session. Her address is 91 Hartford Terrace, New Hartford.

'47 BME; '47 BS—A daughter, Constance Piae Ferris, was born August 13, "Friday the 13th," to **Carl W. Ferris** and the former **Constance Foley** '47. Ferris is an engineer with the Du Pont Co., in Wilmington, Del., where they live at 5 Winston Avenue.

'47 BS—**Evelyn L. Fuller** of Slaterville Springs is a nursery school teacher.

'47 BS—**Mary Lou Gedel** is a dietitian at The Johns Hopkins Hospital in Baltimore, Md.

'47 AB—**Dorothy Gribetz** has been teaching history in a Brooklyn private high school for the last two years. At the same time she has been studying for the AM at Columbia (faculty of political science) and expects to receive the degree next June. This summer she toured England, France, Holland, Belgium, and Switzerland, with the "Marshall Plan in Action Summer Course" group. Daughter of Mrs.



Rogers Peet Clothes are exclusive . . . cut on our own patterns from our own woolens and made in our own workrooms.

They are sold in New York and Boston by our own stores and in New Haven and Princeton by the Douglas MacDaid shops.

Meeting a demand that comes from every part of the country, however (and notably from University Alumni who first began wearing them at eastern schools and colleges) . . . we also supply them over our own name and label to a restricted list of good stores in other cities.

If you will write to Rogers Peet we shall be glad to let you know how conveniently one of these stores may be located for you.

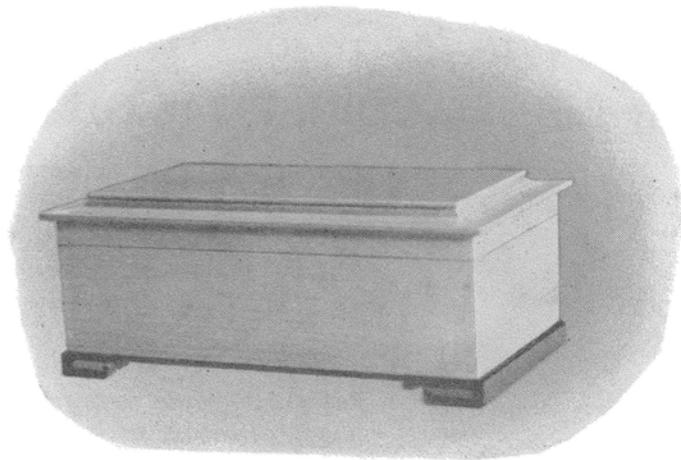
Rogers Peet Company

Makers of fine clothes

In New York: Fifth Avenue at 41st St. Thirteenth St. at Broadway

Warren Street at Broadway

And in Boston: Tremont St. at Bromfield St.



It's a Musical Cigarette Box It Plays "Far Above Cayuga's Waters"

It's a fine piece of furniture that any Cornell Alumnus would be proud to have in his home. It is constructed of blond mahogany and rests on black scroll feet—its design is typically Chinese. The music movement enclosed in the box is imported directly from Switzerland.

IT'S NOT TOO EARLY
TO THINK ABOUT
CHRISTMAS!

\$895 POST PAID

JOHN A. HALE Co.
913 N. HAMPTON ST.
BAY CITY, MICH.

SEND.....CORNELL MUSIC BOX(ES)

PAYMENT ENCLOSED AT \$8.95 EACH.

MAIL TO: (PLEASE PRINT)

NAME.....

ADDRESS.....

ROUTE OF THE AIR CHIEFS



NEW YORK
TETERBORO
BINGHAMTON
ENDICOTT
JOHNSON CITY
ITHACA
ROCHESTER
BUFFALO
NIAGARA FALLS

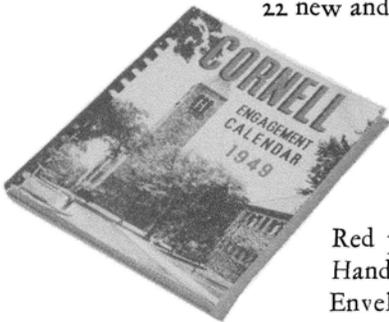
AND on November 8—flights to
ELMIRA, CORNING & ALBANY
will be inaugurated

ROBINSON AIRLINES

Travel, Ship and Mail by Air

Ready Now for 1949

Buy Early for CHRISTMAS GIFTS



22 new and beautiful Campus pictures
Two-color cover

52 dated calendar
pages for daily
engagements

Red plastic bound to open flat
Handy desk size, 6 x 8 inches
Envelopes supplied for mailing.

Your Friends—Cornellians and Others—Will Enjoy
This Useful and Beautiful Souvenir of the Campus

Cornell Engagement Calendar for 1949
Only \$1.00 a Copy, Postpaid

EDITION IS LIMITED
BUY NOW

Ask your Cornell Women's Club, or

← Use the Coupon

CORNELL ALUMNI ASSOCIATION
18 EAST AVENUE, ITHACA, N. Y.

Send me.....cop.....Cornell Engagement Calendar
for 1949. Payment enclosed at \$1.00 each.
Mail to (Please PRINT):

NAME.....

ADDRESS.....

152

CAN-5

Louis J. Gribetz (**Bessie Levin**) '20, she lives at 1383 President Street, Brooklyn 13.

'47 BS—**Elsie J. Hendrickson** became a bacteriologist for the National Dairy Research Laboratories in Oakdale, L. I., in August. She was previously with the applied nutrition department of Hoffmann-La Roche in Nutley, N. J. Address: 47 Littleworth Lane, Sea Cliff, L. I.

'47 BS—**Lucille E. Holden** and **Willard F. Smith**, Senior in Agriculture, were married September 11 in Auburn. **Bonnie J. Kauffman** '47 was maid of honor, **Robert L. Smith, Jr.** '45, best man, and **Victor A. Lord** '48, an usher. A therapeutic dietitian at the Auburn City Hospital before her marriage, Mrs. Smith is working at the Martha Van Rensselaer Hall Green Room.

'47 BS in CE, '48 MS in Engr; '46 AB—**Alexander B. Horvath** and Mrs. Horvath (**Joan Walsh**) '46 have a son, Thomas Christopher Horvath, born August 14 in Washington, D. C. The Horvaths live at 4213 Twelfth Road South, Arlington, Va.

'47 AB—**Elizabeth B. Hunt** is a research technician at the Cleveland Clinic. She is rooming at 1588 Ansel Road, Cleveland 6, Ohio, with **Martha E. Courter** '47, who is still working at Damon's Restaurant. This summer she saw **Martha J. Bender** '47 and **Frida L. Norberg** '45, who is now Mrs. Raymond Brown and lives in South Kortwright.

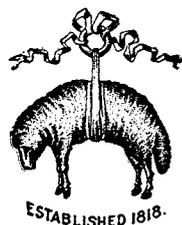
'47 BEE; '46 AB—A son, Wayne Baier Kennedy, was born August 12 in Ithaca to **Philip C. Kennedy** and Mrs. Kennedy (**Elinor Baier**) '46, who now live at 45 New Lawn Avenue, Arlington, N. J. After receiving his Master's at the University this September, Kennedy joined the American Transformer Co. in Newark, N. J., as test engineer.

'47 AB—Mrs. **Homer L. Krout** (**Doris Langman**), formerly a chemist with Solvay Process Co., Hopewell, Va., is a laboratory instructor in organic chemistry at the University of Alabama, where her husband is enrolled in the college of business administration. Their address is Box H, University, Ala.

'47 BS in ME—**James C. McConnon** entered the University of Pennsylvania law school this September. His address is 615 South Forty-second Street, Philadelphia 4, Pa.

'47 AB—**Barbara A. Pond** was married September 4 to John E. Shepard. They are living on RR 4, Lafayette, Ind. (Care A. T. Beutel), while Shepard studies electrical engineering at Purdue University.

Cornell Alumni News



46 NEWBURY STREET,
BOSTON 16, MASS.
727 WEST SEVENTH ST.,
LOS ANGELES 14, CALIF.
165 POST STREET,
SAN FRANCISCO 8, CALIF.

**WHEN PEOPLE SAY:
"THE MAN IN THE BROOKS BROTHERS' SUIT"
THEY DO MORE THAN POINT OUT A MAN
— THEY IDENTIFY HIM**

There's an individuality about Brooks Brothers' clothing that sets a man completely apart...and distinguishes him as a man of conservative good taste. Our suits are all cut on our own patterns and made in our own workrooms or to our own specifications...and they all bear the stamp of Quality and Good Taste that's always associated with Brooks Brothers.

*Ready-made Suits, \$95 to \$115
Sixth Floor Shop Suits, \$70 to \$85*

ESTABLISHED 1818

Brooks Brothers,
CLOTHING
Mens Furnishings, Hats & Shoes

346 MADISON AVENUE, COR. 44TH ST., NEW YORK 17, N. Y.
111 BROADWAY, NEW YORK 6, N. Y.

'47 BS in CE—**Henry T. Roche** is assistant supervisor of track for Pennsylvania Railroad Co., Baltimore 1, Md. He lives at 1026 Stuyvesant Avenue, Trenton, N. J.

'47 BS in ME—**Maurice T. Rose, Jr.** of 24 Harrison Avenue, Roseland, N. J., is a design engineer with Curtis Wright Corp. Propeller Division. He married **Shirley M. Stone** '48 of Ithaca, April 19, 1947.

'47 BS—**Margit C. Sonneborn** has returned from Switzerland, where she worked at the Dolder Hotel in Zurich. Her address is 3001 Henry Hudson Parkway, New York City.

'47 BS—Having worked for three months on the broadcasting side of radio, **Nancyann Woodard** is now learning about the production side. A research specialist, she writes the research material for NBC's drama-documentary, "Living—1948," heard coast to coast once a week, and helps prepare a series of one-hour documentaries for NBC, the first one of which, "Marriage in Distress," was broadcast September 1. Miss Woodard lives at 229 East Seventy-ninth Street, New York City.

'48 AB—**Robert J. Abelson** of 65 Randolph Place, South Orange, N. J., is a research chemist with the Jersey City laboratory of Kellogg Corp.

'48 BS in AE—**William C. Arthur** of

26 Brattle Street, Worcester 5, Mass., is an engineer with the Norton Co. (abrasives).

'48 BS—**Charlotte J. Avers** is a graduate assistant in the botany department at Indiana University, Bloomington, Ind.

'48 BS—**Constance E. Avery** is doing church and youth work for the First Methodist Church in St. Paul, Minn., where she lives in Apartment 5, 929 Goodrich Avenue.

'48 BS—**Jane S. Bowers** of 116 Race Street, Edgewood, N. J., spent the summer in Europe with a group of college students under the auspices of the Westminster Foundation. Leaving from Quebec, Canada, June 18, the group went first to Holland, where they spent three weeks picking fruit, then visited other countries during the rest of July and August.

'48 BS—**Rita R. Chazan** of 27 Lovering Avenue, Buffalo 16, is a trainee with the Buffalo and Erie County Tuberculosis Association. She returned to the Campus September 12 for an orientation institute for New York State tuberculosis workers.

'48 BS—**Mary C. Coble** is a dietetic intern at Veterans Administration Hospital in Hines, Ill. Her address is Box 237, Hines, Ill.

'48 BS; '48 AB—**Marion L. Cousins** and **Howard C. Wikoff** '48, a salesman

for Sinclair & Valentine Co., printing inks, were married June 19. They live at 603 Fountain Street, Roxboro, Philadelphia, Pa.

'48 BS—**Patricia J. Finley** is a kindergarten teacher in the Cheltenham School District, Glenside, Pa. She spent the summer in Los Angeles, Cal., with her uncle and aunt, **Henry W. Roden** '18 and Mrs. Roden. Miss Finley lives at the YWCA, Eighteenth and Arch Streets, Philadelphia, Pa.

'48 BEE—**Peter J. McTague** became a cadet engineer with the Long Island Lighting Co., August 1. He lives at 144-56 Grand Central Parkway, Jamaica 2.

'48 AB—**Ramona M. Riccio** is a first-year student at Women's Medical College of Pennsylvania, Henry Avenue and Abbottsford Road, Philadelphia 29, Pa.

'48 AB; '47 BS—**Philip S. Robbins** entered the Medical College this September. He and Mrs. Robbins (**Ruth Vanderwark**) '47 live at 152 West Ninety-first Street, New York City.

'48 BS in AE—**Frederick P. Seymour, Jr.** has joined E. J. Brach & Sons, Chicago, Ill., as an industrial engineer. He is living at his home, 521 Linden Avenue, Oak Park, Ill.

'48 AB—**Nathan J. Siegel** of 41 Jewett Place, Utica, entered Harvard law school in September.

Red MAGIC ... that's what you'll say when your eyes look into the dancing depths of this spirited Sparkling Burgundy. Sip it—here is all the sorcery of the wine-makers' ancient art—HERE is Captured Flavor. Ask for Taylor's Sparkling Burgundy whenever good wine is served or sold. The Taylor Wine Company, Vineyardists and Producers.



TAYLOR'S
NEW YORK STATE
Sparkling Burgundy

FROM THE FAMOUS CELLARS AT HAMMONDSPORT, NEW YORK

Cornell Club of New York

107 East
Forty-eighth Street
New York, N. Y.

BARR & LANE, INC.

BUILDERS

New York
Ithaca Boston

CAMP OTTER

FOR BOYS 7 to 17
IN MUSKOKA REGION OF ONTARIO
ENROLL NOW FOR 1949
HOWARD B. ORTNER '19, Director
132 Louvaine Dr., Kenmore 17, N. Y.

Songs of Cornell

Contains all the songs that
Cornellians sing—words and
music. The only complete Cor-
nell Song Book.

Substantially
bound in red fabrik-
oid, stamped with
silver. Only

\$2
Post
Paid

Send payment with order to

Cornell Alumni Assn.
18 East Ave. Ithaca, N. Y.

'48 BME—Richard K. Smith of 362 Westfield Road, Scotch Plains, N. J., is an industrial engineer with Procter & Gamble, Staten Island. He entered the University with the Class of '46.

'48 AB; '46 BS, '48 MS—Barbara E. Wilson and Kurt Nathan '46 were married July 17. Nathan is assistant professor of agricultural engineering at the National Agricultural College at Farm School, Pa. Mrs. Nathan is the daughter of Dr. Samuel P. Wilson '17.

'48 BS—Frances M. Wright of 306 Tulip Avenue, Floral Park, spent the summer in Switzerland.

'49—George S. Ives, Senior in the Law School, married Barbara K. Turner August 14 in Norwich. His best man was his father, US Senator Irving M. Ives, former Dean of the School of Industrial and Labor Relations, for whom he served as best man the month before.

'48 AB; '49—Betty Lou Heyroth and Richard C. South '49, Senior in Arts and Sciences, but originally a member of the Class of '46, were married June 26. South is the son of Furman South, Jr. '12 of 5515 Dunmoyle Street, Pittsburgh, Pa.

'48 AB—Suzanne Holstein was married February 26 in New York City to Sidney J. Stein, Jr. Jean C. Holstein '48 was maid of honor. The Steins live at 845 New Scotland Avenue, Albany.

'48 BCE—Albert J. Maiorano is a civil engineer for Poirier & McLane Corp., New York City.

'48 AB; '48 BS in CE—Martha J. Waller, daughter of Mrs. C. Lynn Waller (Jean Bright) '21, and M. Dudley Smith, Jr. '48 were married July 10 in Seaford, Del. After their honeymoon, they went to live at 2922 Robinswood Avenue, Toledo 10, Ohio.

Necrology

'80—Dr. Carol Lincoln Sweet, retired physician and surgeon, May 19, 1948. His address was Route 3, Box 446, Los Gatos, Cal.

'88 CE—Clark Dillenbeck, retired chief engineer of the Reading Co., Philadelphia, Pa., October 9, 1948, in Plainfield, N. J., where he lived at 829 Kensington Avenue. Widely known as a railroad bridge and pier builder, he retired in July, 1938, after forty-eight years with the Reading Co.

'97 AB—Alice Lattin, March 18, 1948, in Cattaraugus, where she lived at 95 Jefferson Street. She taught and was librarian in the Cattaraugus High School for about twenty-six years. Brothers, Dr. Berton Lattin '07 and the late Benton Lattin '07.

'02 LLB—James Blaine Kinne, State Superior Court judge for King County, Wash. since 1926, September 23, 1948, in

Hemphill, Noyes & Co.

Members New York Stock Exchange
15 Broad Street New York

INVESTMENT SECURITIES

Jansen Noyes '10 Stanton Griffis '10
L. M. Blancke '15 Willard I. Emerson '19
Jansen Noyes, Jr. '39 Nixon Griffis '40

BRANCH OFFICES

Albany, Chicago, Indianapolis, Philadelphia
Pittsburgh Trenton, Washington

Eastman, Dillon & Co.

MEMBERS NEW YORK STOCK EXCHANGE

Investment Securities

DONALD C. BLANKE '20
Representative

15 BROAD STREET NEW YORK 5, N. Y.

Branch Offices

Philadelphia Los Angeles Chicago
Reading Easton Paterson Hartford

Seattle, Wash. Before his appointment to the bench, he practiced law in Seattle for twenty years. Phi Sigma Kappa.

'03 Sp—**Fabian Garcia**, professor of horticulture at New Mexico Agricultural College and director of the New Mexico Experiment Station for many years, August 6, 1948. His home was in Las Cruces, N. Mex. Alpha Zeta.

'06 AB—**Homer Andrew Watt**, head of the department of English at New York University, October 4, 1948. He lived at 19 Douglas Road, Glen Ridge, N. J. Author of *The Literature of England*, a standard college text, and co-author of *Legends of Paul Bunyan*, Lumberjack, Professor Watt joined the NYU faculty as an instructor in English, had been professor since 1922, and head of the department since 1938. Daughter, Florence J. Watt '38.

'08 ME—**Leonard Whitney Gavett**, general traffic engineer for the Bell Telephone Co. of Pennsylvania, May 27, 1948. A former president of the Cornell Club of Central Pennsylvania, he lived in Harrisburg at 2043 Whitehall Street. Brother, Weston Gavett '08.

'11, '12 ME—**Peter James Gallagher**, former executive who retired last January after thirty-five years with Standard-Vacuum Oil Co., September 30, 1948, at his home in Sequim, Wash. He went to China in 1912 and became area manager of the South China division. In 1940, he became manager of the oil fuels department, which he remained until his retirement.

'15—**Frank Oliver Young** of 9 Orchard Street, Wellesley Hills, Mass., general manager of Hearst newspapers in New England, October 6, 1948, while attending the World Series game in Boston, Mass. He was the son of the late Frank O. Young '76. Alpha Sigma Phi.

'18 AB—**James Pierson Ackerman**, principal of Hudson High School, from 1923-40, February 24, 1946, in Edmeston. He resigned in Hudson in 1940 to take over his father's lumber business in Edmeston.

'20 AB, '20 AM—**Silence Rowlee**, October 3, 1948, in Lincoln, Nebr., after a long illness. Daughter of the late Professor Willard W. Rowlee '88, Botany, she had taught botany at Elmira College and Wellesley. Sister, Mrs. Arthur T. Lobdell (Elizabeth Rowlee) '17, care A. T. Lobdell, State House, Lincoln, Nebr. Kappa Alpha Theta.

'23, '24 ME, '32 MME—**Wilbur Stanley Cooper**, who was with Consolidated Edison Co. of New York, Inc., from 1926 until his retirement in June, 1947, May 31, 1948, in Washington, D. C.

'28 AM—**William Bucke Campbell** of 6848 North Seventh Street, Philadelphia, Pa., September 12, 1948. He was instructor in mathematics at Rutgers College, 1922-23; a graduate instructor here, 1923-27; assistant professor at Colgate, 1927-28; lecturer in mathematics at Judson College, Rangoon, Burma, 1928-34; and recently instructor in mathematics at Drexel Institute of Technology. Mrs. Campbell is the former Ruth Simpson '17.

'28 DVM—**Dr. Philip Patrick Poley**, veterinary surgeon, June 10, 1948, at 456 Albany Avenue, Kingston, where he had his office and home.

'41—**William Harris Salsburg**, student in Chemical Engineering from 1937-38, August 8, 1948, in the Veterans Hospital at Lyons. His home was at 61 West Ross Street, Wilkes-Barre, Pa.

The NESBETT FUND

INCORPORATED

Prospectus on request

Managers and Underwriters

JOHN G. NESBETT & CO.
INCORPORATED

Investment Managers

Telephone 25 Broad Street
HANover 2-2893 New York 4, N.Y.

(John G Nesbett '23)

RKO Pathe

COMMERCIAL FILM & TELEVISION Dept.
625 Madison Ave., New York
manager

PHILLIPS B. NICHOLS '23

MOTION PICTURES FOR
BUSINESS
INDUSTRY
INSTITUTIONS
STUDIOS

NEW YORK • HOLLYWOOD

Here is Your TIMETABLE TO AND FROM ITHACA

Light Type, a.m. Eastern Std. Time Dark Type, p.m.

Lv. New York	Lv. Newark	Lv. Phila.	Ar. ITHACA
10:55	11:10	11:00	5:58
(x)11:45	12:00	11:00	7:06
Lv. Ithaca	Ar. Buffalo	Lv. Buffalo	Ar. Ithaca
7:15	9:45	9:00	11:50
6:04	8:40	10:40	1:11
Lv. ITHACA	Ar. Phila.	Ar. Newark	Ar. New York
1:17	8:20	8:19	8:35
(y)11:59	7:45	7:44	8:00

(x) New York-Ithaca sleeping car open for occupancy at New York 10:30 p.m.—May be occupied at Ithaca until 8:00 a.m.

(y) Ithaca-New York sleeping car open for occupancy at 9:30 p.m.

Lehigh Valley Trains use Pennsylvania Station in New York and Newark, Reading Terminal in Philadelphia.

Coaches, Parlor Cars, Sleeping Cars, Cafe-Lounge Car and Dining Car Service

Lehigh Valley Railroad

The Route of THE BLACK DIAMOND

Enjoy Well-Loved Music with

THE CORNELL RECORDS

Four 12-inch Records, two sides, with all the familiar Cornell Music, by the Glee Club, Band, and University Chimes.

Complete in Attractively Bound Album, \$6.75

Including tax—Express Collect

Record #1—Glee Club: Alma Mater, Evening Song, In The Red and the White

Record #2—Glee Club: Cornell, Alumni Song, Carnelian and White, Crew Song, March On Cornell

Record #3—Cornell Chimes: Alma Mater, Evening Song, Jennie McGraw Rag, Big Red Team, Carnelian and White, Fight for Cornell

Record #4—Cornell Band: Cornell Victorious, Fight for Cornell, Big Red Team, March On Cornell, In the Red and the White, Alma Mater

Single Records to fill out your set, \$1.50 each

Including tax—Express Collect

Please Order By Number

Album Only, \$1.25 Postpaid

Quantities are limited, so get your order in NOW to assure delivery. Specify quantities, exact items desired, and express shipping address and enclose payment to

Cornell Alumni Association 18 East Avenue
Ithaca, N.Y.

'44—Henry William Seitz of Canastota, student in Agriculture from 1940-42, killed in a plane crash during the war, August 5, 1943.

'45—Stanley Willcox Hungerford, for-

mer student in Chemical Engineering, son of Stanley J. Hungerford '19 of 500 Riverside Drive, Clayton, December 30, 1942, in Watertown. He was a member of the Army Air Corps.

'51—Phillip Brent Marshall of Route 3, Winston-Salem, N. C., was killed in an accident in Winston-Salem, July 21, 1948. He was to have returned to Civil Engineering.



CORNELL HOSTS

A Guide to Comfortable Hotels and Restaurants
Where Cornellians and Their Friends Will
Find a Hearty Cornell Welcome

NEW YORK CITY

YOUR CORNELL HOST IN NEW YORK
1200 rooms with bath from \$3.00
John Paul Stack '24
Gen. Mgr.
Henry Hudson HOTEL
57th Street
Just West of B'way
New York

HOTEL LATHAM

28TH ST at 5TH AVE. - NEW YORK CITY
400 ROOMS - FIREPROOF
SPECIAL ATTENTION FOR CORNELLIANS
J. Wilson '19, Owner

NEW YORK STATE

SHERATON HOTEL

BUFFALO, N. Y.

WRIGHT GIBSON '42
General Manager

SHERWOOD INN

SKANEATELES

Only 42 Miles from Ithaca
CHET COATS '33 Owner

CENTRAL STATES

Your St. Louis Host...

SHERATON HOTEL

Formerly Coronado Hotel
LINDELL BLVD. AT SPRING
ROBERT B. STOCKING '27
General Manager

TOPS IN TOLEDO HOTEL HILLCREST

EDWARD D. RAMAGE '31
GENERAL MANAGER

Stouffer's

WELCOME YOU IN THESE CITIES

Cleveland		Pittsburgh
Detroit	New York	Chicago
Minneapolis		Philadelphia

The Colony

In Winter—Delray Beach, Fla.
In Summer—Kennebunkport, Me.
John S. Banta '43, Assistant Manager

WASHINGTON, D. C.

Cleves Cafeteria

1715 G Street, Northwest, Washington, D. C.

CARMEN M. JOHNSON '22 - Manager

ROGER SMITH HOTEL

WASHINGTON, D. C.
PENNSYLVANIA AVENUE AT 18 STREET, N.W.
Located in the Heart of Government Activity
Preferred by Cornell Men
A. B. MERRICK '30, GENERAL MANAGER
S. C. Livingstone, Stanford '30, Res. Mgr.

NEW ENGLAND

Stop at the...

HOTEL ELTON

WATERBURY, CONN.
"A New England Landmark"
Bud Jennings '25, Proprietor

MIDDLEBURY INN

Vermont's Finest Colonial Inn
Located in New England College Town on
Route 7 highway to Canada in the heart of
major ski areas... write for folders.
ROBERT A. SUMMERS '41, Mgr.
Middlebury, Vermont

PENNSYLVANIA

Stevens House, Lancaster, Pa.
Mabel S. Alexander '41 Manager
Director, American Hotels Corporation

Nearest Everything
in Philadelphia—

HOTEL ADELPHIA

Chestnut Street at 13th
WILLIAM H. HARNED '35, Gen'l Mgr.

POCONO MANOR INN

POCONO MANOR, PENNA.

155 miles south of Ithaca directly enroute to
Philadelphia or New York (100 miles)
Superb Food—Excellent accommodations—
all sporting facilities
Bob Trier, Jr. '32, General Manager

ALWAYS A HEARTY WELCOME
AT

The Keystone Hotel

Wood St. and Blvd. of the Allies
PITTSBURGH, PENN.
THOMAS C. DEVEAU '27, GEN. MGR.

FLORIDA

- VISIT BEAUTIFUL ●
- PALM BEACH ●
- LEON & EDDIE'S ●
- LEON ENKEN JR. '40 ●

8500 Cornellians

Recommend these CORNELL HOSTS
To Their Friends and Families
For special low rate, write
CORNELL ALUMNI NEWS
ITHACA, N. Y.

PROFESSIONAL DIRECTORY

OF CORNELL ALUMNI

CELLUPLASTIC CORPORATION

Injection & Extrusion
Molders

Plastic Containers

50 AVENUE L, NEWARK 5, N. J.

Herman B. Lerner '17, President

Construction Service Company

Engineers & Constructors

Lincoln Boulevard, Bound Brook, N. J.

JOHN J. SENESY '36, President

PAUL W. VAN NEST '36, Vice President

Creswell Iron Works

Manufacturers of
Architectural and Structural Iron & Steel
Grey Iron & Semi-Steel Castings
23rd & Cherry Sts., Philadelphia 3, Pa.

Founded 1835
CREED FULTON, M.E. '09
Vice President

William L. Crow Construction Co.

Established 1840

101 Park Avenue New York

JOHN W. ROSS, B Arch. '19, Vice President
JOHN F. MATTERN, BCE '42, Engineer

PHILIP A. DERHAM & ASSOCIATES

ROSEMONT, PA.

PLASTICS

DESIGN ENGINEERING
MODELS DEVELOPMENT

PHILIP A. DERHAM '19

GEMAR ASSOCIATES

222 E. 46 St., New York

MATERIALS HANDLING
CONSULTANTS

S. T. GEMAR '26

The General Cellulose Co., Inc.

Converters and Distributors of Cellulose
Wadding and Absorbent Tissue Products

Garwood, New Jersey

D. C. TAGGART '16 - - Pres.-Treas.

MACWHYTE COMPANY

KENOSHA, WISC.

Manufacturer of Wire and Wire Rope, Braided Wire,
Rope Sling, Aircraft Tie Rods, Strand and Cord
Literature furnished on request

JESSEL S. WHYTE, M.E. '13, President

R. B. WHYTE, M.E. '13, Vice Pres.

GEORGE C. WILDER, A.B. '38 } Sales Dept.

JOHN F. BENNETT, C.E. '27 }

NORMAN DAWSON, JR., B.M.E. '46, Asst. Pl. Engr.

ONE DEPENDABLE SOURCE

For ALL

YOUR MACHINERY NEEDS

New—Guaranteed Rebuilt

Power Plant
Equipment

Machine
Tools

Everything from a Pulley to a Powerhouse

THE O'BRIEN MACHINERY CO.

PHILADELPHIA'S LARGEST MACHINERY DEALERS AND EXPORTERS

113 N. 3rd ST., PHILADELPHIA 6, PA.

Frank L. O'Brien, Jr., M. E., '31

America's First Consultant in METARAMICS for TELEVISION

Lucy Shepherd and Associates offer
SHEPHERD SPAN COLOR

and

DONTA DESIGN

for

NEW PRODUCT PACKAGING
TELEVISION FILM AND PROGRAMS
INTERIOR DESIGN

also

I. Confidential advisory services to executives on qualified national advertising accounts. Annual basis.

II. Informational, educational, and public relations service on principles, and methods in metaramics for writers, editors, publishers, syndicates, and broadcasting companies. Fee basis.

Send for explanatory brochure, ready December 1; price, \$5.

LUCY SHEPHERD KILBOURN '23, Pres.

Home office: 217 Glen Ridge Ave.

Res.: 229 Glen Ridge Ave., Montclair, N. J.

Complete Food Service Equipment

Furniture and Furnishings

for Schools, Hotels,

Restaurants and Institutions

NATHAN STRAUS-DUPARQUET, INC.

33 East 17th Street New York 3, N. Y.

Boston · Chicago · Miami · New Haven
E. M. BRANDRISS '28

STANTON CO.—REALTORS

GEORGE H. STANTON '20

Real Estate and Insurance

MONTCLAIR and VICINITY

Church St., Montclair, N. J., Tel. 2-6000

Sutton Publishing Co., Inc.

Glenn Sutton, 1918, President
Publisher of

ELECTRICAL EQUIPMENT

The only new product publication in the
electrical industry.

Monthly circulation in excess of 33,000.
and

METAL-WORKING EQUIPMENT

The only exclusive new products publication
for the metal-working field.

Monthly circulation in excess of 25,000.

FACTS BOOKLETS AVAILABLE ON
EACH PUBLICATION

60 E. 42nd St., New York 17, N. Y.

Byron L. Swan '14

INVESTMENT MANAGEMENT

14 WALL STREET

NEW YORK 5, N. Y.

The Tuller Construction Co.

J. D. TULLER, '09, President

BUILDINGS, BRIDGES,

DOCKS & FOUNDATIONS

WATER AND SEWAGE WORKS

A. J. Dillenbeck '11

C. P. Boyland '31

C. E. Wallace '27

95 MONMOUTH ST., RED BANK, N. J.

WELM

"Elmira's Own Station"

J. Robert Meachem '41 Owner and Manager

C. R. Snyder '36 Sales Manager

P. L. Taplin '42 Production Director

J. D. Cleveland '38 Sales Department

American Broadcasting Company

WHITMAN, REQUARDT & ASSOCIATES

Engineers

Extra B. Whitman '01

Gustav J. Requardt '09

Stewart F. Robertson

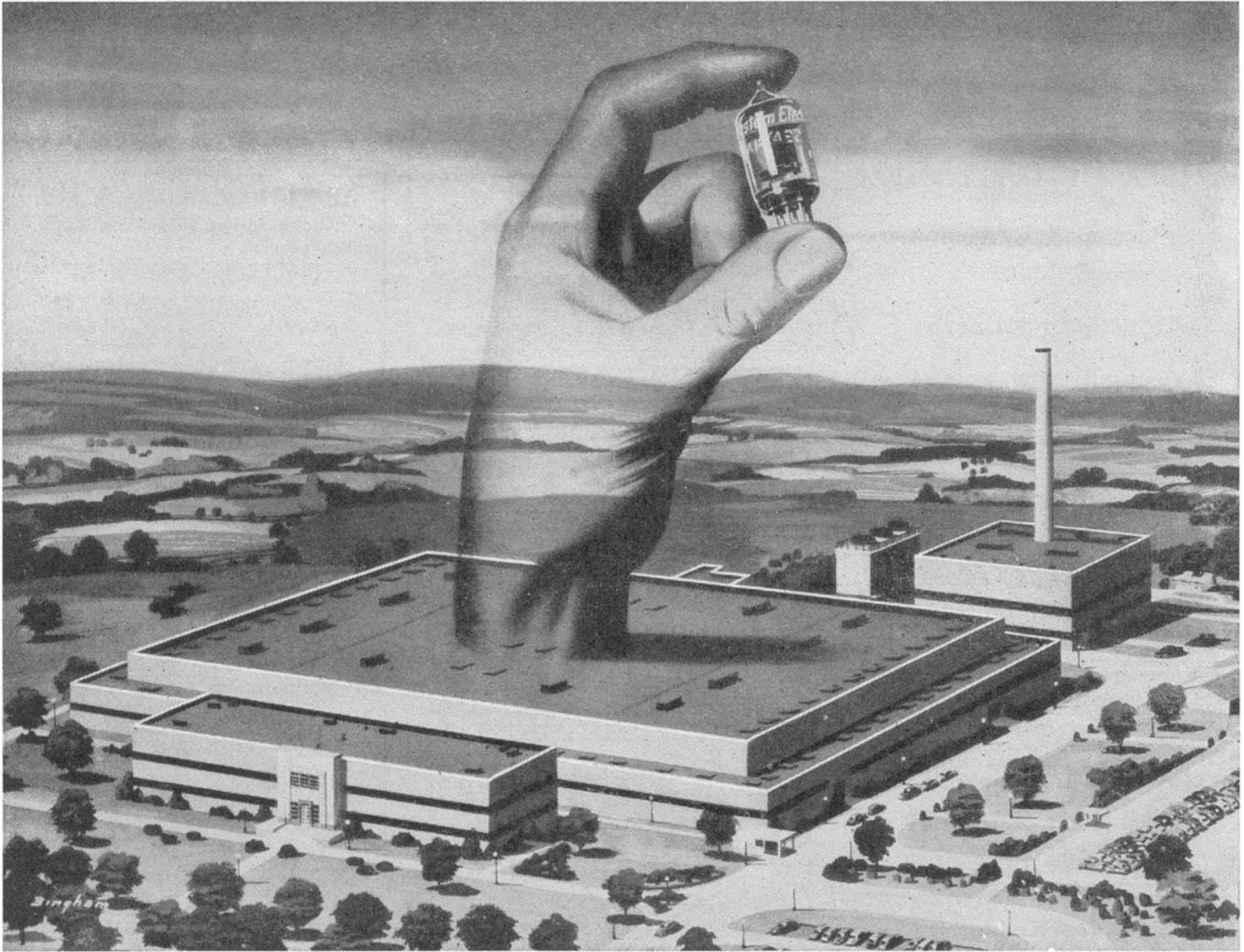
A. Russell Vollmer '27

Roy H. Ritter '30

Theodore W. Hacker '17

Thomas S. Cassidy

1304 St. Paul St., Baltimore 2, Md.



Just to give your voice a lift



WHEN you make a long distance telephone call, your voice would soon fade out were it not for vacuum tube repeaters.

They give your voice a *lift* whenever needed — carry it clearly from coast to coast.

Vacuum tubes and other electronic devices are playing an ever-growing part in your Bell telephone service. As the manufacturing unit of the Bell Sys-

tem, Western Electric makes millions of these intricate little things.

To produce them to highest standards of precision and at lowest cost, Western Electric has just completed its new Allentown, Pa., plant — latest addition to vast telephone making facilities in 18 cities. Now, and in the years ahead, this new Western Electric plant will help to make your Bell telephone service better than ever.

At Western Electric's new Allentown Plant, over 2,500 people work amid conditions of almost surgical cleanliness—for a speck of dust or trace of perspiration may seriously impair the quality of electronic devices they make!

To provide such conditions, the entire plant is air conditioned. The interior is completely sealed off and is slightly pressurized to prevent dust laden outside air from seeping in the doors. Temperature is maintained year 'round at 70° to 80°, with relative humidity of 40% to 50%.

Over 40 miles of pipes deliver 13 needed services to working locations. These are hydrogen, oxygen, nitrogen, city gas, city water, deionized water, soft water (cold, hot, cooling) high pressure air, low pressure air, process steam and condensate return.

The plant has its own steam generating, water softening and gas making plants and uses as much electric power as a city of 20,000.

MANUFACTURER
of telephone apparatus for the Bell System.



PURCHASER
of supplies for Bell telephone companies.



DISTRIBUTOR
of Bell telephone apparatus and supplies.



INSTALLER
of Bell System central office equipment.



Western Electric

A UNIT OF THE BELL SYSTEM SINCE 1882

