

Cornell Chronicle

Volume 13, Number 30

Thursday, May 13, 1982



The weather is right, and there's a need to run off some tension energy before finals. This is one way it is done in the courtyard of Myron Taylor Hall at the Law School.

Baccalaureate, Commencement Both Sunday, May 30

Sol Linowitz Will Deliver Baccalaureate Address

A Baccalaureate Service honoring graduates and retiring faculty and staff will be held from 10 to 11 a.m. Sunday, May 30, in Bailey Hall. The Baccalaureate address will be delivered by Sol M. Linowitz, trustee of Cornell and senior partner in the international law firm of Coudert Brothers. Linowitz will speak on "Our Desert Places."

Cornell's 114th commencement will be held at 2 p.m. that day at Schoellkopf Stadium.

Following in the tradition of Cornell commencements, President Frank Rhodes will give the commencement speech and there will be no honorary degrees awarded.

The Baccalaureate Service, which was revived at Cornell last year after a 14-year hiatus, is an

interreligious service sponsored by Cornell United Religious Work, the Dean Sage Sermon Fund, and the Office of the President.

Participants in the service represent a variety of religious traditions and this year include the Rev. Robert L. Johnson Jr., newly-appointed Director of CURW, the Rev. W. Jack Lewis, director emeritus of CURW, the Rev. Richard Murphy, University Catholic Chaplain, and Rabbi Morris Goldfarb, University Chaplain Emeritus and recently retired acting director of CURW.

President Frank Rhodes will welcome graduates and retiring members of the Cornell community and will introduce Linowitz.

Linowitz was chairman of the Presidential Commission on World

Hunger when he was named by President Carter as Ambassador at Large for Middle East Negotiations in 1979.

He has been United States representative to the Organization of American States and the Inter-American Committee for the Alliance for Progress and co-negotiator on the Panama Canal Treaties of 1977.

Linowitz has also served as general counsel and board chairman of Xerox Corp. He is a 1938 graduate of the Cornell Law School, and was elected trustee emeritus in 1976 after 10 years of service on the Cornell board.

In case of rain, commencement for undergraduates in Architecture, Art and Planning, Engineering, Hu-

man Ecology and Industrial and Labor Relations will be held at 1:45 p.m. in Lynah Rink, and for undergraduates in Agriculture and Life Sciences, Arts and Sciences and Hotel, at 2:10 p.m. in Barton Hall. Graduate degrees will be awarded at 2:45 in Bailey Hall.

If the rain plan is to be used, it will be announced over local radio stations starting by 10 a.m. that day.

Since 1889, Cornell's commencement address has been given by the university president, with just five exceptions. Honorary degrees have been given only twice, both in 1886. They went to Andrew Dickson White, Cornell's first president, and to David Starr Jordan, an alumnus who became the first president of

Stanford University.

Music for the ceremonies will be provided by the Cornell Glee Club and Chorus, under the direction of Thomas Sokol, and by the Cornell University Wind Ensemble, conducted by Marice Stith.

In addition to commencement exercises, commissioning ceremonies for all graduating members of the Cornell ROTC Brigade will be conducted at 8 a.m. Sunday in Alice Statler Auditorium. Rear Adm. Thomas M. Hopkins, deputy commander of Ship Systems Engineering, Washington, D.C., will be the guest speaker.

Graduates who want to make parking arrangements for members of their families who are handicapped should contact the Department of Public Safety, 256-7406.

Endowed Non-Exempt TIAA/CREF Plan Proposed

The retirement program for regular, endowed, non exempt employees will be converted to a TIAA/CREF plan, effective Jan. 1, 1983, subject to Board of Trustees' approval, Gary J. Posner, director of University Personnel Services, has announced.

"The shift to TIAA/CREF will be one of the most significant benefit improvements ever for endowed non-exempt employees," Posner said. "For the first time, Cornell will have the same retirement plan for all faculty, exempt and non-exempt employees of the endowed

colleges.

"Over the past few years, in talking with employees, benefit study committees and the Employee Assembly, it became obvious that the endowed non-exempt retirement plan needed adjustment," Posner said. "Everyone constantly asked why endowed non-exempt employees should have an entirely different plan from faculty and exempt staff. This change to TIAA/CREF for more than 2,000 employees continues to improve Cornell's comprehensive benefits package."

On Jan. 1, 1983, all eligible em-

ployees with three years of service will immediately participate in the TIAA/CREF program.

Under the plan, the university will contribute an amount equal to 10 percent of each eligible employee's annual base salary to an individual account owned by the employee.

Nancy Hicks, assistant director of personnel for benefits, stated that the TIAA/CREF approach to providing retirement benefits is more likely to react favorably to an inflationary economic atmosphere. "Participation in TIAA/CREF will

allow employees to play a major role in the determination of their future retirement income through the investment direction they can provide for their individual accounts," said Hicks.

Further details of the plan will be provided to all endowed employees through the current edition of Contact. Those affected will receive additional communications this summer and fall.

Current regular non-exempt endowed employees not immediately eligible in January 1983 will become eligible as soon as they have com-

pleted three years of continuous service as Cornell employees. Until that time, they will continue to participate in the current plan.

"No employee will lose credit for previous years of service," stated Posner. "In fact, employees hired before Jan. 1, 1983, who retire in the future with at least 10 years of service, will be entitled to a pension from the current program in addition to the pension purchased by the university contribution to TIAA/CREF."

National Academy Elects 3 Here

Gibson, McLafferty, Williams Named

Three members of the Cornell faculty have been elected to the National Academy of Sciences in recognition of their distinguished and continuing achievements in original research.

Quentin H. Gibson, Fred W. McLafferty and Robin M. Williams Jr. were among 60 new members elected Tuesday (April 27) during the 119th annual meeting of the academy in Washington, D.C.

Gibson is the Greater Philadelphia Professor of Biological Sciences in the Section of Biochemistry, Molecular and Cell Biology. McLafferty is professor of chemistry in the Department of Chemistry. Williams is the Henry Scarborough professor of Social Science in the Department of Sociology.

Election to membership in the National Academy of Sciences is considered to be one of the highest honors that can be accorded an American scientist or engineer. Those elected this year bring the academy membership total to 1,386.

The National Academy of Sciences is a private organization of scientists and engineers dedicated to furthering science and its use for the general welfare.

Dr. Gibson specializes in research in hemoglobin ligand reactions.

He received his bachelor's degree, medical degree, doctor of philosophy and doctor of science degree at Queens University, Belfast. He has taught at the University of Pennsylvania and the University of Sheffield, England, where he was chairman of the Department of Biochemistry. He has been a member of the Cornell faculty since 1966.

Dr. Gibson is a Fellow of the Royal Society of Great Britain, a member of the American Academy of Arts and Sciences and the American Society of Biological Chemistry and associate editor of the Journal of Biological Chemistry.

McLafferty's chief scientific interests are in analytical chemistry, molecular mass spectrometry and computer applications.

He received his B.S. and M.S. degrees from the University of Nebraska and the Ph.D. from Cornell in 1950.

From 1950 to 1956 McLafferty was in charge of mass spectrometry and gas chromatography at the Dow Chemical Co. and was the first director of their Eastern Research Laboratory for basic research. He

became a professor of chemistry at Purdue University in 1964, and joined the Cornell faculty in 1968.

He has received the American Chemical Society Award in Chemical Instrumentation (1972) and in Analytical Chemistry (1981), a Guggenheim Fellowship (1972), the Spectroscopic Society of Pittsburgh Award (1975), and has been elected an Honorary Member of the Italian Chemical Society.

Williams is a specialist in American institutions and intergroup relations.

He earned the B.S. and M.S. degrees from North Carolina State University and the M.A. and Ph.D. from Harvard University.

Before joining the Cornell faculty in 1946, Williams served as a statistical analyst for the U.S. Department of War during World War II.

He has been elected a Fellow of the American Association for the Advancement of Science and of the Institute of Society, Ethics and Life Sciences. At Cornell he has been chairman of the Department of Sociology and Anthropology and director of the Social Science Research Center.

Grid Games Free for Students

Student support is an indispensable part of the future success of Cornell football, Director of Athletics Michael L. Slive said last week in announcing that Cornell students, both undergraduate and graduate, will be admitted free to all seven home football games next fall.

He also said there is a possibility that at least one game early in the season will be played under the lights on a Saturday night. This is dependent upon the agreement of an opponent and the necessity of installing additional lighting at Schoellkopf Field, he said.

Night football may be a part of Cornell football from now on, based on course on spectator interest, Slive said. The early season opponents are the opener with Princeton, Sept. 18, then Colgate, Sept. 25 and Boston University, Oct. 2. The other

home games are: Brown, Oct. 16; Dartmouth, Oct. 23; Merchant Marine Academy, Oct. 30 and Pennsylvania, Nov. 20. Harvard, Yale and Columbia will be away games.

The exact mechanics of how students will be admitted free to games — whether it will be by just showing I.D. cards at the gate or by other means — has yet to be determined, Slive said.

He said free admissions is an experiment and although the athletic department may suffer financially for a while he looks forward to long term gains both financially and more importantly in terms of school spirit.

Free student admission and the possibility of night football are all part of an overall plan to build interest in Cornell football and make the entire Ithaca community and Finger Lakes area part of "our

football program and success," Slive said.

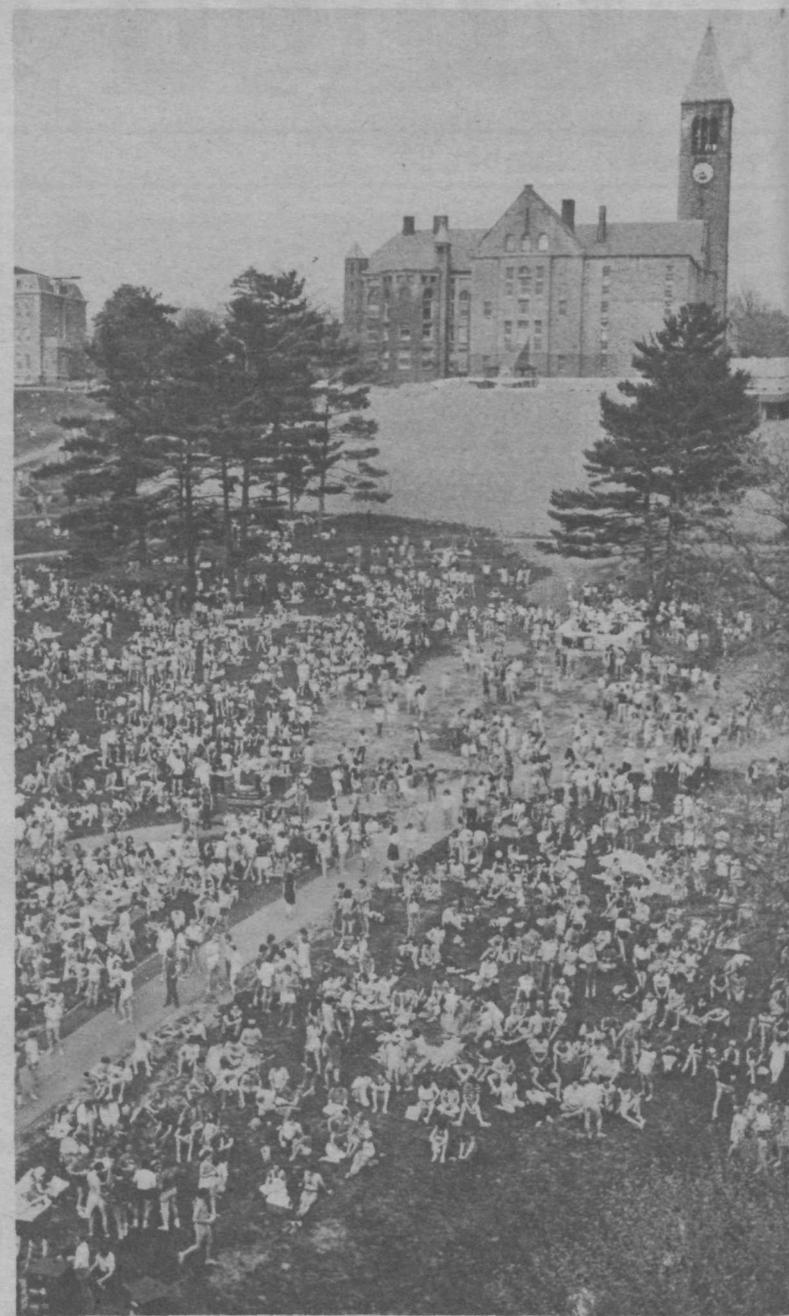
Plans are also in the works to revive Band Day at an early season game. In the past these events have attracted bands and their families from communities for miles around.

Other special events are planned including a continuation of Employee Day.

Slive said the football players and coaches are particularly pleased with the prospect of free admissions to students and are looking forward to the backing for a team they are convinced will be in the running all the way for the Ivy League Championship.

Slive said he will consider the new plans a success if he sees at least 20,000 fans in the stand with from 8,000 to 10,000 students, who have been admitted without charge.

At present the seating capacity at Schoellkopf is 27,000.



Libe Slope was jammed with people last Friday as students gathered for a last blast on the last day of classes.

Law School Plans Final Convocation

The final convocation of the Cornell Law School's Class of 1982 will be held at 3 p.m. Saturday, May 22, in Alice Statler Auditorium.

It is expected that nearly 1,000 parents and friends will attend the ceremony and a reception following in the Myron Taylor courtyard.

University Provost W. Keith Ken-

edy will open the ceremony. The principal address will be by Faust F. Rossi, professor of law at the Law School. Peter W. Martin, dean of the Law School, will preside.

There are 169 students in the Class of 1982. They will be graduated at the University Commencement on Sunday, May 30.

Cornell Chronicle

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It is the policy of Cornell University actively to support equality of educational and employment opportunity. No person shall be denied admission to any educational program or activity or be denied employment on the basis of any legally prohibited discrimination involving, but not limited to, such factors as race, color, creed, religion, national or ethnic origin, sex, age or handicap. The university is committed to the maintenance of affirmative action programs which will assure the continuation of such equality of opportunity.

Jobs

Administrative/Professional
Senior Computer Staff Specialist, CP6 (Computer Services)(APS)

Associate Regional Director, CP5 (Public Affairs Regional Offices, Metro. NY Office)

Senior Accountant, CP4 (Controller's)(Accounting)

Systems Analyst II, CP4 (Computer Services)(APS)

Research Support Specialist II, CP4 (Entomology, Geneva)

Research Support Spec. II, CP4 (Design & Env. Analysis)

Assistant Director for Operations, CP3 (Admissions)

Assistant Director, CP3 (Arts and Sciences Admissions)

Applications Programmer I, CP3 (Computer Services)(APS)

Research Support Specialist I, CP3 (Div. of Nut. Sci., Kenya, Africa)

Business Manager, CP6 (Cornell Dining)

Clerical
Library Aide, GR20 (Univ. Libraries, Music)

Secretary, GR21 (Animal Science)
Secretary, GR19 (Coop. Ext. Admin. Dir. Office)

Secretary, GR19 (Vegetable Crops)
Admissions Clerk, GR18 (Sage Grad. Cntr., Admissions)

Department Secretary, GR7 (Purchasing)

Secretary, GR16 (Computer Services)(APS)

Accounts Assistant, GR20 (National Submicron Facility) (NRRFSS)

General Service
Boiler Operator, U204 (Utilities)
Custodian, SO16 (Varied)

CHES Operator, GR24 (CHES)

Technician, GR20 (Plant Breeding and Biometry)

Part-time
Evening Supervisor, GR18 (Music Library)

Secretary, GR16 (International Population Program)

Secretary, GR16 (COSEP)
Accounts Assisnat, GR19 (Endowed Payroll)

Temporary
Temporary Secretary, T-2 (Agricultural Economics)

Temporary Secretary, T-2 (Computer Services)

Academic
Professor, Dept. Chm. (CALS, Entomology, Geneva)

Senior Ext. Assoc. II, CA8 (NYSSILR, NYC)

Research Assoc., Animal Breeding & Genetics, CA4 (Animal Science, CALS)

Student Employee Grievance Procedure in Place

Rhodes Calls It 'Clear Leader in the Field'

Calling it "a clear leader in the field," President Frank Rhodes announced that he will institute a Student Employee Grievance Procedure. Effective June 1, the procedure will cover all hourly, non-academic student employees who are enrolled at the university.

However, the question of presidential legislative jurisdiction as it pertains to the procedure in particular and the Student Assembly in general has brought some disagreement from some assembly members.

As a result, at an "emergency" session of the Student Assembly last Thursday, the group voted to ask the University Ombudsman to decide the question.

The procedure Rhodes is instituting is very similar to the one the Student Assembly presented him which he vetoed.

The original document, which was sent to Rhodes by the Student Assembly for his approval in February, called for unlimited binding arbitration as the final step in a four-step process, which included alleged violations of health and safety as an issue for arbitration.

On March 25, Rhodes responded to the assembly informing the members that he recommended that the scope of arbitration be limited to grievances involving suspension without pay, discharge and demotion. He also recommended some changes in language.

On April 7, Student Assembly co-speakers Sue Bisom and Al Cowger informed Rhodes that the Student Assembly at its meeting on April 5 had voted to accept only those changes that pertained to language.

On April 28, Rhodes responded to Bisom and Cowger, reiterating his concerns over unlimited arbitration. He addressed the matter of alleged health and safety complaints, telling them that for those health and safety concerns not resolved in Steps I or II, he was establishing a Health and Safety Review Council. The review council, when appropriate, would make recommendations to the already-established University Health and Safety Board.

He also informed them that the review council would handle safety concerns of the entire university community.

(For more detail on the Health and Safety Review Council, see accompanying story.)

Student Assembly members, according to Bisom, feel that since they, according to their charter, have "the authority and the responsibility to examine any matters which involve the interests or concern the welfare of the student community," they should have been consulted before the president decided to include the Health and Safety Council in the grievance procedure.

"As a matter of fact," Bisom

said, "since the council will affect faculty and employees too, they should have also had some input."

Vice President for Campus Affairs William D. Gurowitz said, "The lateness in the semester and the need to have health and safety review measures as well as a Student Employee Grievance Procedure in place did not allow time for extensive discussion.

"Suggestions and recommendations for procedures to be used by the Health and Safety Review Council will be solicited from the Employee Assembly, Student Assembly and faculty."

Council to Deal with Health, Safety Concerns

The newly constituted Health and Safety Review Council at the university is designed to provide easy access for all members of the Cornell community to a mechanism that can deal with health and safety concerns.

This new group, with representation from employees, students, faculty and administration, will provide a new avenue to get those concerns before the institution, according to W. Donald Cooke, vice president for research.

Cooke is chairman of the Health

and Safety Board, which has been in existence for a year and a half.

"The new Review Council," Cooke said, "will be dealing with specific concerns of individuals. The existing board deals with a broad range of policy issues."

The structure of these mechanisms at Cornell "is an innovative process that recognizes that health and safety issues are of concern to everyone on campus, employees, students and faculty," Cooke said.

The makeup of the new Review Council, as outlined in a letter from

President Rhodes to the Student Assembly, will be two representatives each appointed by the Employee Assembly, Student Assembly, the Faculty and the president, with one of the president's appointees serving as chair.

In a letter to the editor of the Cornell Daily Sun last week, William D. Gurowitz, vice president for campus affairs, explained that the council will make recommendations to the Health and Safety Board.

"The decisions of the board will be final and binding," Gurowitz said. "This procedure, open to all members of the Cornell community, will ensure that final and binding judgment in this often complex and technical area will be made by knowledgeable individuals." (See accompanying letter.)

Besides Cooke, other members of the board are Alison Casarett, vice provost and dean of the Graduate School; Kenneth Greisen, dean of the faculty; Dr. Allyn Ley, director of University Health Services; Rob-

ert M. Matyas, vice president for facilities and business operations, and Gary Posner, director of University Personnel Services.

The new Review Council's members will serve two-year terms, although Cooke said it is hoped that when it seems desirable and possible, members will be reappointed.

"We would expect," he said, "that after having dealt with a number of issues in the health and safety area, the members would develop a broad knowledge in the area."

Gurowitz Explains Grievance Procedure Process

Following is a copy of a letter to the Cornell Daily Sun last week from Vice President William D. Gurowitz:

Despite substantial press coverage of the new Student Employee Grievance Procedure, some uncertainty about the procedure seems to exist on campus. I hope the following will serve two purposes: explain what the procedure does, and acknowledge the important role the Student Assembly played in its development.

The Student Employee Grievance Procedure covers enrolled students employed by a department at Cornell. It goes into effect June 1, 1982. "A student employee may use this procedure to resolve an alleged violation or misapplication of University policies or rules pertaining to employment which directly and adversely affects the student employee," the procedure states.

Several steps are available in the procedure: The first step calls for an attempt by the student to resolve

informally the grievance with his or her supervisor. If that step is unsuccessful, the second step is for the student to file a written grievance through the Office of the Ombudsman with the student's department head.

If the grievance is not resolved at that point, the student may file a written complaint with the Office of the Director of Student Employment. A fourth step, in cases involving suspension without pay, demotion or discharge, is to bring the grievance to binding arbitration.

Currently, there is no formal grievance procedure for student employees. This procedure is a major step forward in affording student employees a mechanism to obtain redress of the grievances. It also makes Cornell a leader in student employee relations because most colleges and universities have no grievance procedure for student employees, let alone one which is so structured and comprehensive.

The Student Assembly recommended the adoption of a student

employee grievance procedure some time ago. President Frank Rhodes had views of some of its elements that differed from the Assembly. Now, after discussion and compromise, President Rhodes will implement the Student Employee Grievance Procedure outlined above. It is almost identical to the one proposed by the Student Assembly, except in two areas.

One has to do with the recommended requirement of access to final and binding arbitration in all cases. President Rhodes has restricted final and binding arbitration to only the very serious matters of suspension without pay, demotion or discharge. All other matters will be dealt with and resolved at one of the first three steps.

Binding arbitration is recognized as an appropriate way to resolve certain differences between two parties. However, arbitration is a very time-consuming, costly process. Additionally, where arbitration is used in the context of employee relations, the parties who agree to arbitration of their differences also agree that various subjects are excluded from the scope of arbitration. In a labor agreement these are referred to as "management rights"— areas where decision-making is exclusively the realm of department managers. In those settings not only are such matters not subject to arbitration, they are not even grievable.

The Student Employee Grievance Procedure could have had narrow definition of what is grievable, then have everything that is grievable subject to arbitration. However, this would have precluded use of the procedure to help resolve the many routine issues that arise daily in the

work place. Instead the definition of grievance was opened up so that many more concerns could be addressed in the process, with the scope of arbitration limited to serious disciplinary matters which result in a financial loss to the student employee. We believe this is a fair way to balance the interests of both student employees and Cornell.

The second area of difference is health and safety. Health and safety matters are of concern to faculty, staff and students. It is important that members of the community have easy access to mechanisms that can address health and safety concerns. As a result of the development and creation of the Student Employee Grievance Procedure, such a mechanism will be made available this summer to all members of the Cornell community.

A Health and Safety Review Council, made up of two students, two faculty, two employees and two administrators, will be formed. Terms are for two years. (See accompanying article.)

The Student Employee Grievance Procedure requires that any grievance regarding health and safety go

directly to the Health and Safety Review Council if it is not resolved at the second step. The Council will make recommendations to the Board; the decisions of the Board will be final and binding. This procedure, open to all members of the Cornell community, will ensure that final and binding judgments in this often complex and technical area will be made by knowledgeable individuals.

The Student Assembly played a major role in developing this entire procedure since most of its is identical to the Assembly's recommendations.

Development of the Student Employee Grievance Procedure has been a difficult process, but such tasks are never easy. Everyone who has been involved, as well as everyone who will be affected, should take pride in having such a progressive procedure in place and take comfort in the fact that student employees at Cornell now have a means to settle their grievances.

William D. Gurowitz
Vice President for
Campus Affairs

Environmental Health Monitors Materials Used

The Cornell Office of Environmental Health is responsible for monitoring the use, storage and control of potentially hazardous materials on the Ithaca and Geneva campuses.

Specialists from the office, which is headquartered at the Radiation Biology Laboratory on Warren Road, are trained and equipped to deal with biological, chemical and physical hazards that may be en-

countered in the university's research and teaching laboratories, as well as in other work-places, according to William E. Kiker, a Ph.D. in nuclear physics and director of the office.

As the administrative arm of the Cornell Radiation Safety Committee, the office has responsibility for radioactive material use, storage, transfer and waste disposal for

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Services of Life Safety Extensive, Far-Reaching

An astronomer recording radio signals from space in the mountains of Puerto Rico, a hockey fan attending a game in Lynah Rink, a technician testing blood samples at a Saratoga race track, a coed sleeping in a Triphammer Road sorority house, a marine biologist diving for specimens in the Gulf of Maine, a secretary preparing an annual re-

port in Roberts Hall and the thousands of others who study, teach, visit, work or play at Cornell facilities every day have one thing in common: Their safety and health is the concern of the university's most far-reaching division.

The Office of Life Safety Services and Insurance through its three

Continued on Page 9

New Awards Here During January and February

The Office of Sponsored Programs announces the following new grants and contracts for the Ithaca and Geneva units of the University, during the month of January 1982.

K. Adler, NB&B: Cues, Receptors & Mechanisms for Orientation. NSF, Two Years, \$21,000.

V. Ambegaokar, LASSP: Theoretical Condensed Matter Physics. NSF, Two Years, \$289,200.

S. Bacharach, ORGBEH: Quality of Working Life: Study of Professional Scientific Technical Personnel. NYS, One Year, \$94,730.

J.P. Barlow, E&S: Biol. Avail. of Phos in Sediments from Cannonsville Reserv. NYS, Twenty-One Months, \$2,000.

S.H. Bauer, CHEM: Studies of the Combustion of Model Fuels...Low Hydrogen. DOE, One Year, \$74,937.

S.H. Bauer, CHEM: Vibrational Relaxation Measurements of Directly Pumped. NSF, Forty-Two Months, \$32,399.

R.E. Bechhofer, ORIE: Statistical Selection Procedures. DOD, Eighteen Months, \$62,000.

A. Bensadoun, NUTRSCI-AG: Radioimmunoassay for Human Lipoprotein Lipase. DHHS, One Year, \$52,731.

J.M. Bird, GEOSCI: Deformation-Induced Microstructures of Folded Rocks. NSF, Two Years, \$50,200.

W.S. Bowers, ENTOM-G: Identification of a New Hemipteran Hormone. ROCKEFELLER, Two Years, \$34,145.

J.H. Bramble, MATH: Numerical Analysis and Differential Equations. NSF, Four Years, \$57,261.

Anthony P. Bretscher, BIOCHEM: Microfilament Organization & Membrane Attachment. DHHS, One Year, \$14,829.

J.S. Brown, NYC: South Bronx Housing Resource Center. AMER EXPRESS, One Year, \$2,000.

T.L. Brown, NATRES: Public Attitudes Toward Wild Life and its Accessibility. NYS, Two Years, \$1,400.

M. Calicchia, EXT: Training CSEA Members for Promotional Examinations. NYS, Eight Months, \$39,500.

J.M. Calvo, BIOCHEM: Regulation of Leucine Biosynthesis in Bacteria. DHHS, One Year, \$92,398.

J.M. Camhi, NB&B: Behavioral Neurophysiology. DHHS, One Year, \$9,618.

R.R. Capranica, NB&B: Encoding of Vocal Signals in the Auditory System. DHHS, One Year, \$33,965.

B.K. Carpenter, CHEM: Test of a New Theory on Structure and Reactivity. DHHS, One Year, \$39,574.

C.B. Carter, MATSCI: Structure of Solid-Solid Phase Boundaries & Their... NSF, One Year, \$11,800.

D.A. Caughey, MECHAERO: Analysis of Rotational Transonic Flows in Turbomachinery. NASA, Two Years, \$64,000.

D.B. Clark, NUCLSCI: Exp. Studies of Nuclides... at Brookhaven. DOE, Twenty Months, \$55,000.

A. Cohen, PHYSBIO: On the Central Pattern Generation of Locomotion. DHHS, One Year, \$12,500.

J.C. Condry, HDFS: Development of Behavior. DHHS, One Year, \$3,809.

H.D. Craft, NAIC: National Astronomy & Ionosphere Center. NSF, One Year, \$2,500,000.

J. Doris, HDFS: Institutional Child Care Assessment Project. NYS, One Year, \$49,600.

J. Doris, HDFS: Grants to Communities to Improve Treatment of Sexually... NYS, One Year, \$50,000.

T. Eisner, NB&B: Biologically Active Natural Products from Mushrooms. CIBA-GEIGY, One Year, \$35,000.

G.H. Elder, HDFS: Social Change in Family & Life Patterns to Old Age. DHHS, One Year, \$932.

R. Elston, AAAM: Development... Health Certification... Molluscan Stocks... SUNY RF, One Year, \$369.

S.T. Emlen, NB&B: Field Study of Cooperative Behavior. NSF, Forty-One Months, \$59,490.

R.W. Everett, ANSCI: Inheritance of Semen Production Parameters. AMER BREEDER, Eighteen Months, \$9,000.

P.P. Feeny, E&S: Comparative Pop & Chem Ecol of Herbivorous Insects. NSF,

Three Years, \$58,446.

G.R. Fink, BIOCHEM: Regulation of Histidine Biosynthesis in Yeast. DHHS, One Year, \$42,349.

H.H. Fleischmann, AEP: Field-Reversing Electron and Ion Rings...Heating...Plasmas. DOE, One Year, \$15,000.

J. Frey, EE: Submicrometer Silicon Device Technology-VHSIC. DOD, Two Years, \$315,000.

B. Ganem, CHEM: Synthesis and Biosynthesis in the Shikimate Pathway. DHHS, One Year, \$71,020.

T. Gold, CRSR: Studies Related to the Deep Earth Gas. GRI, One Year, \$50,000.

D. Gonsalves, PLTPATH-G: Cross-Protection for Controlling Citrus Tristeza and... Hawaii U, Three Years, \$24,000.

J.M. Gossett, ENV: Kinetics of Packed Tower Air Stripping Allied to the... DOD, Nine Months, \$50,000.

V.E. Gracen, PLTBRD: Disease Resistance and Cytoplasmic Male-Sterility in... AGRIGENETICS, Four Years, \$567,233.

E.R. Grant, CHEM: Dynamics of Molecular Elimination... Small Halocarbons. ACS-PRF, Forty-Two Months, \$45,000.

L.P. Gross, MATH: Analysis of Fermion Fields. NSF, Two Years, \$18,650.

W. Hansel, PHYSBIO: Reg. of Hormone Synthesis by Bovine Placenta. DHHS, One Year, \$101,330.

M.O. Harwit, CRSR: Far Infrared Spectral Line Observations. NASA, Four Years, \$10,500.

L.A. Heppel, BIOCHEM: Binding Proteins & their Role in Active Transport. NSF, One Year, \$55,000.

G.P. Hess, BIOCHEM: Chemical Reactions in Transmission of Nerve Impulses. DHHS, One Year, \$27,947.

G.P. Hess, BIOCHEM: Relationships between Protein Structure & Function. DHHS, One Year, \$28,007.

R. Hoffmann, CHEM: Atlantic Richfield Foundation Grant. ARCO FDN, One Year, \$25,000.

D.F. Holcomb, LASSP: Experimental Investigation of Electron Localization... NSF, Two Years, \$39,000.

J.E. Hoperoff, COMP SCI: Computational Algorithms. DOD, Seven Years, \$55,000.

J.R. Houck, CRSR: Infrared Astronomy Satellite Science Team. JPL, Six Years, \$39,000.

J.R. Houck, CRSR: Medium Resolution Infrared Spectroscopy. NASA, Ten Months, \$10,000.

R.R. Hoy, NB&B: Neurological & Genetic Analysis of Acoustic Behavior. DHHS, One Year, \$25,005.

P.M. Kintner, EE: Middle Atmosphere Electrodynamics Super-pressure Balloon. AEROSPACE, One Year, \$21,430.

A.W. Knapp, MATH: Analysis on Semisimple Groups. NSF, Three Years, \$25,800.

D.L. Kohlstedt, MATSCI: Structure & Rheology of partially Molten Mantle Rocks. NSF, One Year, \$65,000.

P. Krusius, EE: User Defined Circuit Models for Logic Devices in IC's. GE, One Year, \$35,000.

D.J. Lathwell, AGRON: Collaborative Soil Management Research in the Acid. AID, Fi Years, \$50,250.

T.W. Leavitt, MUSEUM: Five Funding Projects for Museum FY 81/82 NTSC Arts. NYS, One Year, \$2,450.

C.A. Lee, EE: Constant Voltage Impatt Diode Development. DOD, Seventeen Months, \$171,040.

G. Levine, CER: Annual Allotment 1982. DOI, One Year, \$110,389.

G.S.S. Ludford, TAM: Asymptotic Methods Especially in Combustion. DOD, Twenty-One Months, 60,000.

F. Luk, COMP SCI: Variable Metric Scant Updates from Matrix Factorization. RICE U, Three Years, \$13,500.

R.E. McDowell, ANSCI: Wild Game Ranch Project in Kenya. TORTUGA, Sixteen Months, \$10,909.

F.W. McLafferty, CHEM: Mass Spectrometry in Biomedical Research. DHHS, One Year, \$179,069.

F.W. McLafferty, CHEM: Computer Identification of Unknown Spectra. NSF, Three Years, \$95,000.

R.R. Minor, PATHO: NRSA - Neuroanatomy. DHHS, \$17,040.

G.H. Morrison, CHEM: Ion Microscopy and Ion Microprobe Analysis. NSF, Two Years, \$107,700.

R.P. Mortlock, MICRO-AG: The Evolution of Enzymatic Activities. DHHS, One Year, \$41,655.

A. Nash, EXT: New York City Credit & Certificate Program. SUNY, Three Years, \$67,200.

M.C. Nelson, NB&B: Mechanisms of Sound Communication in a Simple System. NSF, One Year, \$47,705.

Y. Pao, TAM: 9th US National Congress of Applied Mechanics. DOD, One Year, \$12,300.

N.H. Peck, SEEDVEGSCI-G: Nitrogen Fertilization-Double Band Placement. AGWAY, One Year, \$2,000.

K.S. Porter, CER: Groundwater Management Information and Decision Making. NYS, Eighteen Months, \$208,500.

E. Racker, BIOCHEM: The Plasma Membrane in Normal & Cancer Cells. DHHS, One Year, \$158,261.

E. Racker, BIOCHEM: Resolution & Reconstitution of System of Photophosphoryl. NSF, One Year, \$45,000.

R. Raimon-Wilson, HDFS: Tech. Asst. & Training to NYS Head Start Program. DHHS, Six Months, \$60,000.

R. Raj, MATSCI: Q Measurements in Olivine. NSF, One Year, \$55,000.

R. Raj, MATSCI: Failure by Creep Cracking & Creep-Fatigue Interaction. DOD, One Year, \$76,053.

T.J. Reimers, DIAG LAB: Thyroid-Stim. Hormone, Thyroxin, Etc. in Norm & Hypothyrd Dogs. AVMA, One Year, \$16,940.

J.V. Reppy, CIS: Political & Military Relations within Warsaw Pact in 80s. ROCKEFELLER, One Year, \$35,000.

N.E. Richmond, NATRES: Cooperative Wildlife Research Unit. NYS, Six Years, \$15,000.

S.J. Riha, AGRON: Hybrid Poplar Production on New York Soils Amended. NYS, One Year, \$14,506.

A. Rosenberg, MATH: Research in Algebra and Algebraic Number Theory. NSF, Two Years, \$112,550.

C. Sagan, CRSR: Studies of Satellite and Planetary Atmospheres. NASA, Twelve Years, \$50,000.

S.L. Sass, MATSCI: Diffraction Studies of Grain Boundary Structures in Face. NSF, Three Years, \$92,000.

H.A. Scheraga, CHEM: Internal Bonding in Proteins. DHHS, One Year, \$61,766.

H.A. Scheraga, CHEM: Structural Studies of Proteins. NSF, Two Years, \$66,600.

C.L. Schofield, NATRES: Aluminum Dynamics in Adirondack Mountain Watersheds. TETRA TECH, Forty-Six Months, \$10,260.

S. Shen, MECHAERO: Studies of Unsteady Separating Boundary Layers Relevant - DOD, One Year, \$42,985.

M.L. Shuler, CHEM-E: Entrapped Plant Cell Culture. NSF, One Year, \$53,912.

M.J. Sienko, CHEM: Closter-Type Superconducting Ternaries. DOD, One Year, \$60,150.

E.D. Siggia, LASSP: Statistical Mechanics of Turbulence in Two and Three... NSF, Two Years, \$30,900.

B.F. Stanton, AGECE: Lake Ontario Nonpoint Assessment. USDA, Two Months, \$4,000.

P.J. Van Soest, ANSCI: The Conversion of Straw into Concentrate-Like Feed. BARD, Three Years, \$6,000.

C. Walcott, ORNITH: EST CU Lab Ornithology Research Program: Seateck National Wildlife Refuge. PETERS TRUST, One Year, \$80,000.

L.P. Walker, AGENG: Energy Integrated Farm System. NYS, Two Years, \$53,187.

R.H. Wasserman, PHYSBIO: Molecular Mechanisms of Epithelial Transp/Tox. Metal Ions. DOE, One Year, \$88,133.

R.H. Wasserman, PHYSBIO: Intestinal Absorption of Mineral Ions. DHHS, One Year, \$133,411.

D.O. Watkins, MEDIA: Consumer Information Network Radio & Television. ABC, One Year, \$3,000.

C.B. Wharton, PLASMA: Cooperative Plasma Physics Experiments. NSF,

Forty-Two Months, \$32,219.

C.F. Wilkinson, ENTOM: Comparative Studies on in Vitro Model Oxidation Systems. EPA, One Year, \$92,990.

P.T. Wolczanski, CHEM: Synthesis of Mixed-Metal Complexes... ACS-PRF, Two Years, \$10,000.

G.J. Wolga, EE: Combustion Control with Smart Sensors. DOE, One Year, \$115,000.

The Office of Sponsored Programs announces the following new grants and contracts for the Ithaca and Geneva units of the University, during the month of February 1982.

A.C. Albrecht, CHEM: Nonlinear Vibronic and Electronic Spectroscopy... NSF, Two Years, \$60,000.

M.J. Appel, MICRO-VET: Canine Encephalopathy-A Model for Multiple Sclerosis. MS, Three Years, \$170,221.

W.J. Arion, NUTRSCI-AG: Glucose-6-Phosphatase & Hepatic Glucose Production. DHHS, One Year, \$111,134.

N.W. Ashcroft, LASSP: Astrophysical Materials Science - Theory. NASA, One Year, \$50,000.

D. Barbano, FOODSCI: Moisture Determinations using Microwave Ovens. APHA, Seven Months, \$3,130.

R. Barker, BIOCHEM: Membrane Oligosaccharides and Monosaccharide Metabolism. DHHS, One Year, \$48,381.

D.L. Bartel, MECHAERO: Diagnosis of Loose or Damaged Total Joint Replacement. HSS, One Year, \$8,554.

S.H. Bauer, CHEM: Kinetics of Molecular Conversions with Low Activation...DOD, One Year, \$60,000.

L.J. Billera, ORIE: Game Theory & Combinatorial Aspects of Optimization. NSF, Two Years, \$28,050.

R. Breiger, SOC: Sub-Contract SES80-08658 Harvard University. HARVARD U, One Year, \$20,940.

W.L. Brown, ENTOM: Systematics of Perilampidae. NSF, One Year, \$3,125.

P.J. Bruns, GENETICS: NRSA-Altschuler, Marsha - Genome Struct./Tetrahymena. DHHS, One Year, \$17,040.

F.H. Buttell, RURSOC: Kellogg National Fellowship. KELLOGG, Three Years, \$1,500.

J.M. Calvo, BIOCHEM: Regulation of Leucine Biosynthesis in Bacteria. DHHS, One Year, \$8,400.

J.M. Camhi, NB&B: Behavioral Neurophysiology. DHHS, One Year, \$3,278.

B.K. Carpenter, CHEM: Mechanisms of Metallacyclopentadiene Reactions. NSF, One Year, \$69,000.

A.E. Class, ILR-EXT: Puerto Rican Leadership. NYS, One Year, \$45,000.

D.B. Collum, CHEM: The Synthesis of Antitumor Agents. DHHS, One Year, \$65,150.

J.M. Conrad, AGECE: Costs and Return in Otter Trawl Fleet on Long Island. SUNY RF, Eighteen Months, \$2,500.

L.M. Day, NERCERD: Assistance for a Rural Leadership Program. KELLOGG, Nine Months, \$9,856.

B.R. DeYoung, SEAGRANT-EXT: Mid-Atlantic Fisheries Development Foundation Projects. MID-ATL FISH, One Year, \$12,300.

B.R. DeYoung, SEAGRANT-EXT: SEAFOOD Technology - SEA GRANT. SUNY RF, Six Months, \$16,520.

J. Doris, HDFS: Human Development & Family Studies Doctoral Program. DHHS, One Year, \$9,000.

C.J. Earle, MATH: Mathematical Analysis. NSF, Five Years, \$34,689.

L.F. Eastman, EE: Graduate Research Support. COMSAT, One Year, \$10,000.

D.T. Farley, EE: Studies of the Arecibo Atmosphere. NSF, One Year, \$37,800.

G.R. Fink, BIOCHEM: Suppressor-Mutators in Yeast - Fellowship. WHITNEY, HH, Three Years, \$48,000.

H.H. Fleischmann, AEP: Field-Reversing Electron and Ion Rings...Heating...Plasmas. DOE, One Year, \$160,000.

J.H. Freed, CHEM: ESR Studies of Surface Adsorption and Catalysis... DOE, One Year, \$70,000.

J.H. Freed, CHEM: Electron-Spin Relaxation in Model Membranes. DHHS, One Year, \$4,947.

J. Gibson, BIOCHEM: Membrane

Function & Diversity in Cyanobacteria. NSF, One Year, \$42,600.

P.J. Gierasch, CRSR: Interdisciplinary Scientist for Project Galileo. CRSR: Interdisciplinary Scientist for Project Galileo. JPL, Six Years, \$3,000.

M.J. Goldstein, CHEM: Structure and Mechanism in Cyclobutane Pyrolysis. NSF, Two Years, \$59,200.

E.R. Grant, CHEM: Time-Resolved Studies of Unimolecular Decomposition... NSF, Three Years, \$35,000.

S. Gregory, LASSP: Properties of Adsorbed Oxygen. NSF, Eighteen Months, \$50,000.

J.L. Gulledge, ORNITH: Library of Natural Sounds Curatorial Support. NSF, Two Years, \$99,514.

C.A.S. Hall, E&S: Models of Tropical Carbon Flow. PUERTO RICO U, One Year, \$25,000.

G. Hausfater, NB&B: Conf: Infanticide in Animals and Man. WENNER-GREN, One Year, \$25,925.

L.A. Heppel, BIOCHEM: Mechanisms of Active Transport & Membrane Enzymes. DHHS, One Year, \$56,877.

P.L. Houston, CHEM: Laser Studies of Molecular Photodissociation Dynamics - NSF, Two Years, \$50,000.

G. Hrazdina, FOODSCI-G: Symposium on Cellular and Subcellular Specialization. SUNY RF, One Week, \$1,000.

G.H. Jirka, ENV: Two-Dimensional Transcritical Stratified Flow. NSF, Twenty-Seven Months, \$71,321.

J.A. Kelleher, GEOSCI: Total Rupture Processes Along Great Strike-Slip Margins. DOI, One Year, \$45,000.

P.M. Kintner, EE: Interferometric Phase Velocity Measurements of Plasma... NASA, One Year, \$25,095.

P.I. Kuniholm, CLASSICS: Tree Rings Chronologies for the Aegean a Tool for Arch... NEH, Three Years, \$26,060.

T.W. Leavitt, MUSEUM: Conservation of Four Paintings Museum Aid Program. NYS, One Year, \$2,450.

S.A. Levin, E&S: Math Theories of Pop Dynamics & Community Structure. NSF, Three Years, \$15,020.

A. Lewis, AEP: Fundamental Studies...Laser Induced Retinal Damage. DOD, Two Years, \$78,878.

G.E. Likens, E&S: Ithaca Precipitation Chemistry Site of Map3S Project. DOC, Two Years, \$26,876.

G.E. Likens, E&S: Hubbard Brook as National Field Research Facility. NSF, One Year, \$86,500.

P.L-F Liu, ENV: Wave Refraction and Diffraction. SUNY RF, Eighteen Months, \$9,908.

E.R. Loew, PHYSIO: Role of Vit E & Selenium in Maintenance of Visual Function. DHHS, One Year, \$77,235.

D.D. McGregor, MICRO-VET: Cell Fusion Center. ALLEGHENY: One Year, \$25,000.

J.E. McMurry, CHEM: Alkaloid Synthesis Via Aziridinium Ions. DHHS, One Year, \$4,000.

R.J. MacIntyre, GENETICS: Non-sense Mutants at A-Glycerophosphate Dehydrogenase. DHHS, One Year, \$24,601.

W.L. Maxwell, ORIE: Develop Instructional Modules in Industrial Engineering. VIRGINIA U, One Year, \$15,000.

R.R. Minor, PATHO: Studies of a Heritable Connective Tissue Disease/Cattle. WETTERBERG, One Year, \$15,000.

R.P. Mortlock, MICRO-AG: The Evolution of Enzymatic Activities. DHHS, One Year, \$3,815.

K.J. Niklas, PLNTBIO: Aerodynamic Correlations/Pollen & Ovulate Cone Morph. Con. NSF, Two Years, \$60,000.

K.J. Niklas, PLNTBIO: Paleobiology & Ultrastruct/Fossil Angiosperms. NSF, One Year, \$42,598.

T.D. O'Rourke, STRUC: Study of Cast Iron Gas Main Replacement. NYSGG, Twenty-Eight Months, \$1,165.

T.D. O'Rourke, STRUC: TBM Performance Study. Goldberg-Zoino, Two Years, \$6,850.



ROTC students march in review at the university's 1982 ROTC Brigade Ceremony April 25 at Schoellkopf Field. Some 50 cadets and midshipmen were honored for superior academic and professional performance during the academic year. Highlight of the ceremony was a 20-minute "Concert in Motion" by the United States Marine Drum and Bugle Corps.

Cossack Papers on Exhibit

On display in Olin Library are selected documents from an unusual collection of personal papers tracing the history of a Cossack family (the Denisovs) back three centuries to its ancestral patriarch's participation in the military expeditions of Peter the Great.

The exhibit is open to the public through July 17 in the Department of Manuscripts and University Archives in 101 Olin Library.

The entire collection, which consists of some 500 items has been valued at \$23,000, and was presented to Cornell earlier this year by Basile Denisoff, an engineer with Corning Glass Works now living in Chapel Hill, N.C.

He is a 10th generation descendent of Denis Iliin, the Cossack warrior who fought for Peter the Great, and who was subsequently made a chief of the Cossacks in the Don region of Russia near the Black Sea. (In Russian the family name is spelled Denisov but has been Americanized to Denisoff.)

In appreciation of the gift, the Committee on Soviet Studies and the University Libraries at Cornell have scheduled a reception for Denisoff and his family at 8 p.m. Monday, May 17 in Room 212, Olin Library. The public is invited to the reception, which will include an audiovisual presentation by Denisoff concerning the Don Cossacks.

According to Thomas H. Hickerson, associate archivist and chairman, Department of Manuscripts and University Archives, the documents trace the history of the family from the late 17th century to the 1920's. The oldest original document in the collection is dated 1739, but certified copies of papers in the Don Cossack museum carry the story back into the 17th century.

Hickerson outlined the history behind the collection: "Denis Iliin, the ancestor from whom the Denisovs trace their descent, left his home in Novorod because of religious persecution during the reign of Alex-

(1645-1676) and settled in Five Huts, a village in the Don region. During Peter the Great's expedition to the Black Sea (1696), he stopped at Five Huts and ordered Denis and several of his fellow Cossacks to join the expedition. Peter was favorably impressed by Denis, and rewarded him for his brave conduct during the attacks on the Azov fortress. Subsequently, Denis was made Ataman (chief) of the Cossacks in the region.

"Originally independent frontiersmen, the Cossacks became an important and privileged element in the Imperial Russian Army as the Empire expanded. The Denisov family remained prominent in military service throughout the 18th and 19th centuries. Iliia Fedorovich Denisov (1718-1792) distinguished himself in the war against Prussia (1756-1763) and received a gold medal from the Empress Maria-Theresa. Fedor Petrovich Denisov (1732-1803) participated in numerous campaigns during the reign of Catherine the Great, who made him a general of cavalry and gave him the title of Count and 1,200 serfs along with various awards. Adrian Karpovich Denisov (1763-1841) took

part in the historic march of Marshall Suvorov across the Alps and retired at the rank of Lieutenant General in 1825. Vasilii Avxentevich Denisov (1788-1829) pursued Napoleon's army beyond the Rhine in 1812. Although the family is most noted for its military service, Vasilii Ilich Denisov has a most distinguished civil career as a Senator and member of the State Council.

"In addition to the documents that illustrate the service careers of this leading noble family, there are a large number that document their economic activities in the 19th century, particularly their role as great landowners in the Don region. Of particular interest to many historians are those that deal with the land settlement following the emancipation of the peasantry in the 1860's, a process of great complexity which included many regional variations that can only be understood fully by the examination of specific instances such as those described in the Denisov material.

With the death of Iliia Denisov in 1971, these family papers passed to his son, Basile.

Society for the Humanities Has New Advisory Board

A 12-member board of advisers to the Society for the Humanities to consider long-range objectives in programs and funding, has been established here.

They were appointed by Provost W. Keith Kennedy in consultation with the director of the society, Eric A. Blackall, and the dean of the College of Arts and Sciences, Alain Sezec. They are trustees and alumni of Cornell, as well as distinguished scholars outside the university "who have shown a special interest in and commitment to the humanities," said Blackall.

The members are: Bryce Bowmar, alumnus; Mary Douglas,

a professor at Northwestern University; Charles Gibson, a professor at University of Michigan; Marilyn S. Hellinger, alumna; Sol M. Linowitz, trustee, and Ruth Barcan Marcus, a professor at Yale University.

Also Marie Underhill Noll, presidential councillor, Ronald Paulson, a professor at Yale University; Robert W. Purcell, presidential councillor; Gordon Ray, director of John Guggenheim Foundation; Patricia Carry Stewart, trustee, and Stephen H. Weiss, trustee.

Blackall said the new board held its first meeting at the society in February and will meet next in April 1983.

Emeritus Profs Form Association

An Association of Cornell Emeritus Professors has been established this spring with Blanchard L. Rideout, professor of Romance studies, emeritus, named the first president of the new organization.

Other officers selected by a special nominating committee chosen at the initial meeting of the group April 30 were Mary K. Bloetjes, professor of human nutrition and nutritional science emeritus, vice president; and Byron W. Saunders, professor of operations research and industrial engineering emeritus, secretary-treasurer.

According to Kenneth Greisen, dean of the faculty, who conducted the organizational meeting, 53 professors emeriti attended the meeting, with some 22 others having notified his office that they were in favor of creating the new group. These included President Emeritus Dale R. Corson.

According to a charter adopted at the meeting the purposes of the association "are two-fold: first, to establish social and professional community among retired individuals who share the experience of being Cornellians; and secondly, to facilitate the utilization of their skills and knowledge in the service of the university."

At least two general meetings are to be held each academic year, preferably in the fall in late October or early November and the other in the spring in April or May.

Working in conjunction with the three officers of the organization will be four members of the association. The seven will comprise an Executive Council whose duties will include scheduling general meetings, serving as a nominating committee and as an elections committee.

Membership is open to all professors emeriti and retired professors, professional teaching, library, extension and research staff who retire after more than ten

years service, and certain administrative staff who have been awarded emeritus status by the University Board of Trustees.

Greisen said the organizational impetus came from emeritus professors, and as a result only that category of eligible retirees received notice of the initial meeting. Other academic retirees who are interested in this organization are invited to contact the Dean of Faculty Office at 315 Day Hall or any of the association officers. Records of the activities and membership of the association will be kept in the Dean of Faculty Office.

Nuclear Power Topic For Symposium Here

"Nuclear Power: Promise and Problems" will be the topic at an American Nuclear Society symposium scheduled from 2 to 4:30 p.m. Friday, May 14, in B-17 Upson Hall.

Addressing the issues of nuclear power from their professional viewpoints will be Corwin L. Rickard, vice president of General Atomic Company and president of the American Nuclear Society; John F. Ahearn, commissioner, Nuclear Regulatory Commission; and Hans A. Bethe, the John Wendell Anderson Professor of Physics Emeritus at Cornell.

The symposium is open to all members of the Cornell community.



Coach Richie Moran huddles with his players, who ended their regular season Monday with an 11-6 win over University of Massachusetts. The Red, with a 10-1 record, is hoping for home field in the opening round of the NCAA tournament, the quarterfinals, on Wednesday, May 19. Bids for the tournament will go out Sunday.

Calendar

All items for publication in the Calendar section, except for Seminar notices, must be submitted by mail or in person to Fran Apgar, Central Reservations, 532 Willard Straight Hall, at least 10 days prior to publication. Seminar notices should be sent to Barbara Jordan-Smith, News Bureau, 110 Day Hall, by noon Friday prior to publication. Items should include the name and telephone number of a person who can be called if there are questions, and also the subheading of the Calendar in which it should appear (lectures, colloquia, etc.). ALL DEADLINES STRICTLY ENFORCED. *Admission charged.

Announcements

Amnesty Week, Mann Library
Overdue books and periodicals borrowed from the Mann Library circulation Desk before May 14 will not cost a fine if they are returned to Mann Circulation any time from May 14 through May 22. This amnesty will apply to all overdue material (except Reserve items), regardless of the size of the fine.

Fourth Annual World Food Issues Workshop
Workshop will be held Thurs. and Fri., June 3-4, in 401 Warren Hall 8:30 a.m. till 5 p.m. each day. Sponsored by the Center for the Analysis of World Food Issues.

Health Requirements
Fall registration of all continuing students with incomplete health requirements will be blocked by a medical hold until all health requirements have been satisfactorily completed.

Students may pick up forms at the Requirements Office, Gannett Health Center, 256-4364.

Stochastic Processes
The 12th Conference on Stochastic Processes and Their Applications will be held at Cornell July 11-15, and will be sponsored by the Office of Sponsored Research, Center for Applied Mathematics, College of Engineering and the School of Operations Research and Industrial Engineering.

The conference is organized under the auspices of the Committee for Conferences on Stochastic Processes of the Bernoulli Society for Mathematical Statistics and Probability. There will be invited papers as well as several sessions on contributed papers. For further information contact N.U. Prabhu, Center for Applied Mathematics, 275 Olin Hall, 256-4856.

Writing Workshop Walk-In Service
Service is open Mon. through Thurs., 3:30-6 p.m. and 7:30-10 p.m.; Sun., 3-8 p.m.; Service is closed Fri. and Sat. You need no appointment, just drop by during our hours. Phone 256-6349. 125 Rockefeller Hall.

Weigh Station
Weight Reduction Classes are held every Thurs., noon-1 p.m. at the Block Building in Barton Hall. Everyone is welcome. If you have questions, call 277-3418 or 257-0853.

Colloquia

Thursday
May 13, 4:30 p.m. Space Sciences 105. "The Rings of Uranus: Five Years Later," Dr. James Elliot, MIT. Sponsored by Astronomy and Space Sciences.

Friday
May 14, 2-4:30 p.m. Upson Hall B-17. "Nuclear Power: Promise and Problems." A Symposium sponsored by the American Nuclear Society. Speakers: Dr. Corwin L. Rickard, Vice President, General Atomic Company and President, American Nuclear Society; Dr. John F. Ahearne, Commissioner, U.S. Nuclear Regulatory Commission; Professor Hans A. Bethe, John Wendell Anderson Professor of Physics, Emeritus, Cornell University.

Exhibits

Herbert F. Johnson Museum "Heinz Isler as Structural Artist." Photographs

and models of the work of Swiss engineer Heinz Isler. Organized by the Princeton Univ. Art Museum and sponsored by the School of Civil Engineering, Cornell Univ., through May 16. "Pre Columbian Art of Ecuador from the Zorach Collection." An exhibition of over 200 stone and ceramic Ecuadorian objects which predate the sixteenth century, donated to the Johnson Museum by Margaret and Tessim Zorach, through May 30. "Lotte Jacobi: Photographs." An exhibition featuring the work of photographer Lotte Jacobi, who worked first in Germany, then in the United States. Included are her portraits of many world figures as well as her more lyrical works, through June 7. Museum hours: 10 a.m.-5 p.m. Tues. through Sun. Eighteenth Century Venetian Drawings from the Robert Lehman Collection of the Metropolitan Museum of Art: a selection including sketches of important buildings, caricatures and portraits of Italian figures of the time, and scenes of everyday life in eighteenth century Venice. Circulated by the Gallery Association of New York State, through May 30.

Dance

Every Monday, 7:30-10 p.m. Ithaca Commons, Main Pavilion. Cornell Contra Dance Club Contra and Square Dances. Will be held every Monday during the months of June, July, and the first two Mondays in August, weather permitting.

Every Tues., 7:30 - 9:30 p.m. English Country Dancing. All dances taught, beginners welcome. For information call Connie at 272-1931.

Every first and third Wed., 9 p.m. North Room, Willard Straight. Jitterbug Club, beginners welcome.

Every Thurs., 8 p.m. Anabel Taylor One World Room. Israeli Folk Dancing.

Films

Thursday
May 13, 8 p.m. *Uris Hall Auditorium. "Outrageous" (1977), directed by Richard Benner, with Craig Russell, Hollis McLaren. Shown with "Pink Triangle." Co-sponsored by Gay People at Cornell.

Friday & Saturday
May 14 & 15, 8 p.m. *Statler Auditorium. "Prince of the City" (1981). Directed by Sidney Lumet, with Treat Williams, Jerry Orbach.

May 14 & 15, 8 p.m. *Uris Hall Auditorium. "City of Women" (1980), directed by Federico Fellini, with Marcello Mastroianni, Anna Pruchal.

May 14 & 15, 11:30 p.m. *Statler Auditorium. "Harold and Maude" (1971), directed by Hal Ashby, with Ruth Gordon, Bud Cort, Vivian Pickles.

Sunday
May 16, 8 p.m. *Uris Hall Auditorium. "The Lady From Shanghai" (1948), directed by Orson Welles, with Rita Hayworth, Orson Welles.

Monday
May 17, 8 p.m. *Uris Hall Auditorium. "Key Largo" (1948), directed by John Huston, with Humphrey Bogart, Lauren Bacall.

Tuesday
May 18, 8 p.m. *Uris Hall Auditorium. "Beat the Devil" (1953), directed by John Huston, with Humphrey Bogart, Jennifer Jones.

Wednesday
May 19, 8 p.m. *Uris Hall Auditorium. "To Have and Have Not" (1944), directed by Howard Hawks, with Humphrey Bogart, Lauren Bacall, Walter Brennan.

Thursday
May 20, 8 p.m. *Uris Hall Auditorium. "The Big Sleep" directed by Howard Hawks, with Humphrey Bogart, Lauren Bacall.

Friday
May 21, 8 p.m. *Uris Hall Auditorium. "The Treasure of Sierra Madre" (1948), directed by John Huston, with Humphrey Bogart, Walter Huston, Tim Holt. Also shown: "Tugs With Dirty Mugs."

May 21, 8 p.m. Statler Auditorium. Feature Film Preview: "The World According to Garp," Directed by George

Roy Hill. Co-sponsored by Warner Bros. Free.

Saturday
May 22, 8 p.m. *Uris Hall Auditorium. "The Maltese Falcon" (1941), directed by John Huston, with Humphrey Bogart, Mary Astor, Peter Lorre. Also shown: "Racketeer Rabbit."

Sunday
May 23, 8 p.m. *Uris Hall Auditorium. "Sunset Boulevard" (1950), directed by Billy Wilder, with Gloria Swanson, William Holden, Erich von Stroheim.

Monday
May 24, 8 p.m. *Uris Hall Auditorium. "Some Like It Hot" (1959), directed by Billy Wilder, with Marilyn Monroe, Tony Curtis, Jack Lemmon.

Tuesday
May 25, 8 p.m. *Uris Hall Auditorium. "Love and Death" (1975), directed by Woody Allen, with Woody Allen, Diane Keaton.

Wednesday
May 26, 8 p.m. *Uris Hall Auditorium. "Citizen Kane" (1941), directed by Orson Welles, with Joseph Cotten, Orson Welles.

Thursday
May 27, 8 p.m. *Uris Hall Auditorium. "Last Tango in Paris" (1972), directed by Bernardo Bertolucci, with Marlon Brando, Maria Schneider.

Friday & Saturday
May 28 & 29, 8 p.m. *Uris Hall Auditorium. "The Graduate" (1967), directed by Mike Nichols, with Dustin Hoffman, Anne Bancroft.

Sunday
May 30, 8 p.m. *Uris Hall Auditorium. "The Big Heat" (1953), directed by Fritz Lang, with Glenn Ford, Gloria Graham.

Monday
May 31, 8 p.m. *Uris Hall Auditorium. "The Red Badge of Courage" (1951), directed by John Huston, with Audie Murphy, Bill Mauldin, Royal Dano.

Tuesday
June 1, 8 p.m. *Uris Hall Auditorium. "The Blue Angel" (1930), directed by Joseph von Sternberg, with Marlene Dietrich, Emil Jannings.

Wednesday
June 2, 8 p.m. *Uris Hall Auditorium. "Mr. Hulot's Holiday" (1953), directed by Jacques Tati.

Thursday
June 3, 8 p.m. *Uris Hall Auditorium. "My Man Godfrey" (1936), directed by Gregory LaCava, with William Powell, Carole Lombard.

Friday
June 4, 8 p.m. *Uris Hall Auditorium. "The Collector" (1965), directed by William Wyler, with Terence Stamp, Samantha Eggar, Maurice Dallimore.

Saturday
June 5, 8 p.m. *Uris Hall Auditorium. "Lifeboat" (1944), directed by Sir Alfred Hitchcock, with Talulah Bankhead, Walter Slezak, William Bendix.

Sunday
June 6, 8 p.m. *Uris Hall Auditorium. "Lilith" (1964), directed by Robert Rossen, with Jean Seberg, Warren Beatty, Kim Hunter.

Monday
June 7, 8 p.m. *Uris Hall Auditorium. "Julie" (1956), directed by Andrew L. Stone, with Doris Day, Louis Jourdan.

Tuesday
June 8, 8 p.m. *Uris Hall Auditorium. "Brief Encounter" (1945), directed by David Lean, with Celia Johnson, Trevor Howard, Cyril Raymond.

Wednesday
June 9, 8 p.m. *Uris Hall Auditorium. "The Lavender Hill Mob" (1951), directed by Charles Crichton, with Sir Alec Guinness, Stanley Holloway, Sidney James.

Lectures

Thursday
May 27, 4:30 p.m. 119 Baker Laboratory. "Micro-emulsions: An Unusual State of Matter," P.-G. de Gennes, Professor at the College de France, and Andrew D. White Professor-at-Large.

Meetings

Tuesday
May 18, 12:15 p.m. Roberts Hall B8. Employee Assembly.

Wednesday
May 19, 4:30 p.m. Ives 110. Faculty meetings.

Every Tues., 9 p.m. Hug Ivri-Hebrew Club meeting. Speakers of Hebrew at all levels welcome. For more information, call Michael at 277-2168.

Every Thurs., 7:15 p.m. Willard Straight 207. Gay PAC business meeting followed by 8 p.m. discussion. Different topic each week.

Every Sunday, 3 p.m. Anabel Taylor Edwards Room. Animal Rights Forum sponsored by Eco-Justice. For more information call David 256-1716.

Every Sunday, 7:30 p.m. Anabel Taylor 314. The Anthroposophy Study Group will take up the topic "The Spiritual Science of Rudolf Steiner." Everyone welcome. For more information call 277-1459 or see the secretary in Anabel Taylor Hall.

Music

Glee Club Annual Concert
The Cornell University Glee Club will present its traditional Senior Week Concert at 8:15 p.m. Saturday, May 29, in Bailey Hall. The Cornell Chorus will appear as guest performers. Thomas A. Sokol, professor of music, will conduct the concert in this, his 25th year at Cornell.

Tickets for the concert are on sale at \$3 each at the Lincoln Hall box office, Hickey's Music Store and Logos Bookstore and will be available at the door.

The concert will feature music from Renaissance to modern. Members of the Glee Club will preview many of the selections they will perform this summer at the Kings Music Festival in Great Britain.

Since its founding in 1868, the club has traveled extensively throughout the United States and abroad. Its international tours have included performances in 23 countries around the world including Germany, Czechoslovakia, Russia, Sri Lanka and Hong Kong.

The group has also performed with many major American orchestras, including the Philadelphia Orchestra under the direction of Eugene Ormandy and the Buffalo Philharmonic under the direction of Michael Tilson-Thomas and Julius Rudel.

Most recently, the Glee Club and Chorus completed a series of concerts with the Buffalo Philharmonic Orchestra in Carnegie Hall and the Kennedy Center for the Performing Arts.

Thursday
May 27, 8:15 p.m. Barnes Hall. "Indonesian Masked Dance": Endo Suanda; Cornell Gamelan directed by Martin Hatch.

Saturday
May 29, 2:30 p.m. Bailey Hall. Senior Week Concert: Cornell Wind Ensemble conducted by Marice Stith.

May 29, 8:15 p.m. *Bailey Hall. Senior Week Concert: Cornell Glee Club conducted by Thomas A. Sokol.

Religion
Sunday
May 16, 11 a.m. Sage Chapel. Convocation: Reverend W. Jack Lewis, Director Emeritus, Cornell United Religious Work.

Sunday
May 30, 10 a.m. Bailey Hall. Baccalaureate. Sol M. Linowitz, University Trustee and a senior partner in the international law firm of Coudret Brothers, Washington, DC.

Every Sunday, 4:30 p.m. 401 Thurston Ave. Wesley Student Fellowship meets for fellowship and supper. New people always welcome.

Every Fri., 5:30 p.m. Anabel Taylor Founders Room. Shabbat Conservative Service.

Every Fri., 5:30 p.m. Anabel Taylor Chapel. Shabbat Reform Service.

Every Fri., 7:30 p.m. 106 Eastern Heights Drive. Baha'i fireside discussion. For details call 273-4240.

Every Fri., 1 p.m. Anabel Taylor Edwards Room. JUMA Prayers organized by the Muslim Educational and Cultural Assoc. of Cornell.

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Every Sat., 9:15 a.m. Anabel Taylor Edwards Room. Sabbath Orthodox Service.

Every Sat., 9:45 a.m. Anabel Taylor Founders Room. Shabbat Conservative Service.

Every Sat., 5:15 p.m. Anabel Taylor Auditorium. Catholic Eucharist.

Every Sun., 9:30 a.m. Anabel Taylor Chapel. Episcopal Eucharist Worship Service. Nursery and Church School provided. Faculty and students welcome. Coffee hour after.

Every Sun., 9:30 & 11 a.m. Anabel Taylor Auditorium. Catholic Eucharist. Church school and nursery provided.

Every Sun., 9:45 a.m. Anabel Taylor Edwards Room. Ithaca Society of Friends (Quakers) adult discussion followed by meeting for worship at 11 a.m.

Every Sun., 10 a.m. Straight North Room. Korean Church at Cornell.

Every Sun., 11:15 a.m. Anabel Taylor Chapel. Protestant Church at Cornell. Coffee and conversation after.

Every Sun., 5 p.m. Anabel Taylor Auditorium. Catholic Eucharist.

Every Thurs., 7 p.m. Anabel Taylor Founders Room. Christian Science Organization Testimony Meeting. Faculty and students welcome.

Seminars

Applied Mathematics: "An Algorithm for Solving the Packing Problem by Analogizing Objects and Their Motion," Huan Wen-Qi, Huazhong Institute of Technology, 4 p.m. Friday, May 14, 165 Olin Hall.

Biochemistry, Molecular and Cell Biology: "Import of Proteins into Mitochondria," Gottfried Schatz, Biocenter, Basel, Switzerland, 4:30 p.m. Friday, May 14, 204 Stocking Hall.

Biochemistry, Molecular and Cell Biology: "Interaction of Calmodulin with Cyclic Nucleotide Phosphodiesterase," Claude Klee, NIH, 3:30 p.m. Friday, May 21, 204 Stocking Hall.

Biological Sciences: "Population Genetics and Macroevolutionary Thinking," Egbert Leigh, Smithsonian Tropical Research Institute, 12:30 p.m. Thursday, May 13, 4th Floor Conference Room. New Biological Sciences Building.

Boyce Thompson Institute: "Indoleacetic Acid Production: A Plasmid Born Virulence Trait in a Plant Pathogenic Bacterium," Tsune Kosuge, University of Calif. at Davis, 2 p.m. Friday, May 21, BTI.

Ecology & Systematics/Neurobiology & Behavior: "Temperature Effects on Cochlear Function in Reptiles: A Personal Review with New Data," Yehudah L. Werner, The Hebrew University of Jerusalem, 2 p.m. Friday, May 14, 4th Floor Conference Room, New Biological Sciences Building.

Geological Sciences: "High Temperature and Pressure Deformation Studies of Rocks at Cornell," D. Kohlstedt, 4:30 p.m. Tuesday, May 18, 205 Thurston Hall.

History of Art: "Le luxe de l'eau: A Study of Daubigny's Water Pastoral," Bonnie Lee Grad, Clark University, 4 p.m. Wednesday, May 19, 24 Goldwin Smith Hall.

Materials Science and Engineering: "Material Science in Solid State Device Fabrication for Imaging Applications," T.M. Kelly, Eastman Kodak Co., 4:30 p.m. Thursday, May 13, 140 Bard Hall.

Microbiology: "Anaerobic-dark vs. Anaerobic-light Metabolism of Phototrophic Bacteria: An Unexpected Preference," Robert Uffen, Michigan State University, 4:30 p.m. Thursday, May 20, 124 Stocking Hall.

Natural Resources: "Plant Growth, Gas Exchange and Air Pollution: Effects of Ozone and Sulfur Dioxide on Hybrid Poplar and Soybeans," Peter B. Reich, 4 p.m. Thursday, May 13, 304 Fernow Hall.

Neurobiology & Behavior: "Probing Membrane Channels With Electricity

and Light," Henry Lester, Calif. Institute of Technology, 12:30 p.m. Thursday, May 13, Penthouse, Langmuir Laboratory.

Neurobiology & Behavior: "Transmitter-Induced Muscle Damage at the Neuromuscular Junction," John P. Leonard, 12:45 p.m. Friday, May 14, 4th Floor Conference Room, New Biological Sciences Building.

Organic/Organometallic Chemistry: "Theoretical Studies of Diradicals—An Organic Chemist's Perspective," Weston Borden, University of Washington, 8:15 p.m. Monday, May 17, 119 Baker Laboratory.

Pharmacology: "Role of Phosphatidylinositol Breakdown in the Regulation of Intracellular Calcium or How Flies Spit," John N. Fain, Brown University, 1 p.m. Wednesday, May 19, Pierre A. Fish Lab., D-105 Schurman Hall, Vet. College.

Pharmacology: "Regulation of Acetylcholine Receptor Channel Gating in Embryonic Amphibian Muscle," Paul Brehm, Tufts University School of Medicine, 4:30 p.m. Wednesday, May 26, Pierre A. Fish Laboratory, D-105 Schurman Hall, Vet. College.

Plant Biology: "Covalent Binding of Gibberellin to Protein in G2 Peas," Evelyne Dougherty, 11:15 a.m. Friday, May 14, 404 Plant Science.

Graduate Bulletin

The next regular meeting of the Graduate Faculty will be held at 4:30 p.m. on Friday, May 28, in Kaufmann Auditorium to approve the provisional list from May.

FINAL REMINDER: May 21 is the deadline for submission of all materials for a May degree. No exceptions to this deadline will be made.

Summer Graduate Registration (SGR) forms are available at the Graduate School Information Desk. SGR must be completed by graduate students who: want to use campus facilities (e.g., the libraries and the clinic) during the summer; are off campus but require proof of registration; want to receive residence credit for summer study; are receiving student aid during the summer (e.g., fellowships, assistantships, loans, work-study); or require proof of registration for outside agencies. There is no charge for students who were registered full-time on campus for at least one semester of the 1981-82 academic year. The fee for students who were not registered for at least one semester of the past academic year is \$5.00 per week. Students who plan to receive residence credit for summer study are required to pay a prorated portion of the 1982-83 Graduate School tuition charge. Registration must be in person at the Graduate School office. Student ID is required for validation of the SGR form.

All graduate students who will be receiving student aid (e.g., fellowships, tuition awards, assistantships, work-study, loans, etc.) during the summer term must register with the Graduate School by Summer Graduate Registration (SGR) in order to be eligible to receive their award. Forms are available at the Graduate School Information Desk and may be returned in person starting May 24. All full-time students registered by SGR are reminded that hourly employment may not exceed 20 hours per week from all sources. Students supported by fellowships are subject to the same additional limitations on hourly employment as are enforced during the academic year.

Individuals responsible for disbursing student aid checks (e.g., for fellowships, assistantships, college work-study, etc.) are reminded to require proof of summer registration in the form of a validated Summer Graduate Registration (SGR) form prior to releasing any student aid check.

All graduate students who are New York State residents and who will be

registered during the 1982-83 academic year should apply to the New York State Tuition Assistance Program (TAP) for 1982-83. Any student receiving tuition assistance from Cornell University who meets New York State residency requirements should submit his/her application to the New York State Higher Education Services Corporation (NYSHESC) by July 1st to avoid delays in the processing of his/her TAP payment. TAP Student Payment Applications may be obtained from the Bursar's Office, 260 Day Hall, and the Fellowship Office, 116 Sage Graduate Center.

Sponsored Programs

Alcohol, Drug Abuse, and Mental Health Administration of Department of Health and Human Services announces a Small Grant Program with an increase in the direct cost limit for Small Grant applications for \$15,000; one-year, non-renewable. The ADAMHA Small Grant Program accepts applications that fall within the program interests of the National Institute of Mental Health (NIMH), the National Institute on Alcohol Abuse and Alcoholism (NIAAA) and the National Institute on Drug Abuse (NIDA). This program is primarily coordinated by the NIMH. However, each institute makes awards for small grants relevant to its mission.

The ADAMHA Small Grant Program is principally intended for newer, less experienced investigators. Small grants may be used to carry out exploratory or pilot studies, to develop and test a new technique or method, or to analyze data previously collected. Small grants may not be requested to supplement research projects already being supported or to provide interim support of projects under review by the Public Health Service. Small grant support may not be requested for dissertation support.

Small grant applications may be submitted at any time and without regard to the receipt dates that pertain to the regular research grant program. However, applications requesting early summer (June) starting dates must be received no later than December 1; applications with July and August starting dates must be received no later than February 1.

Application form 398 (used in other PHS research grants) is used in applying for a small grant (a supply is maintained in OSP - 123 Day Hall). Areas eligible for support are: neurosciences, behavioral sciences, epidemiology, clinical assessment and etiological studies, treatment, prevention, and services research. Additional information is available in Office of Sponsored Programs Library - 115 Day Hall.

National Endowment for the Humanities has announced an extra deadline for NEH Youth Projects with special emphasis on children's media. The deadline for submitting project proposals is June 1, 1982.

NEH Youth Projects offer support for media organizations, cultural institutions, community groups and educational institutions interested in developing out-of-school humanities programs for children and youth under the age of 21. Financial support will be provided to develop programs, projects or educational materials promoting youth involvement in the humanities during after-school hours, weekends or vacations. At this deadline applications for production grants for children's radio and television will be particularly welcome; accompanying print materials are encouraged. All funded projects must focus on one or more of the disciplines of the humanities. Further information, guidelines and application materials will be available in the Office of Sponsored Programs Library - 115 Day Hall.

Creative Artists Public Service Program (CAPS) has announced a deadline

of June 14, 1982. The CAPS program offers fellowships to individual creative artists in New York State to create new works of art or to complete works in progress. During the fellowship year, all CAPS recipients participate in projects designed to provide artistic services of direct benefit to New York State communities. This program is made possible by funds from the New York State Council on the Arts, the National Endowment for the Arts, and private donors. General application information is available in the Office of Sponsored Programs Library - 115 Day Hall.

The Whitehall Foundation

The Whitehall Foundation is seeking proposals for grants to aid basic research and has expressed a strong interest in requests from very senior faculty (presumably they mean people close to retirement who need a few years of funding to complete a major life work), or from very junior faculty getting started, although applications are not limited to these categories. Their policy is stated as follows:

"To support specific research projects in the field of basic biology relating to fundamental phenomena and hypotheses. Research may involve any plant or infra-human animal, provided that it is directly related to these goals."

The following areas of research were identified as being outside the scope of support:

"The Foundation will not consider works dealing with gene splicing, molecular biology, biochemistry, clinical research, immunology, cancer or DNA."

The Whitehall Foundation has requested that a two or three page letter of inquiry be sent to them and a determination will be made as to their interest in receiving a full proposal. Their address is Whitehall Foundation, 310 Royal Poinciana Plaza, Palm Beach, Florida 33480.

National Endowment for the Arts announces a May 25, 1982 application deadline for DESIGN ARTS. This deadline covers these funding categories: Design Demonstration; Design Exploration/Research; Design/Communication. In addition to these categories, the Design Arts Program has identified certain important topical concerns which may be addressed within any granting category. These include the following: Facilities for the Arts; Civic Design; Designer/Visual Artist Collaboration; Policy and Design; Energy Conscious Design. These concerns are meant to stimulate thinking about the types of projects which may be applied for under the major funding categories. More information and application materials are available in the OSP Library, 115 Day Hall.

The National Science Foundation has replaced its Directorate for Science and Engineering Education with the Office of Scientific and Engineering Personnel and Education. The Office, which reports to Dr. John B. Slaughter, Director of NSF, is the focal point within the Foundation for all policy and program matters related to scientific and engineering personnel and education. The Office has two sections:

The Fellowships Section, which is responsible for operating the Graduate Fellowships Program, the Minority Graduate Fellowships Program, the NATO Postdoctoral Fellowships Program, and travel grants to NATO Advanced Study Institutes; and

The Award Administration and Liaison Section, which is responsible for managing major active awards that were funded through the Directorate for Science and Engineering Education, and for liaison with other government agencies and the public regarding education policy and program.

Office of Education Postsecondary Education announces a Cooperative Education Program post-mark deadline of June 7, 1982. Funding is expected to be provided for Administration Projects, Demonstration Projects, Research and Training Projects. Application forms and program information packages are available in the Office of Sponsored Programs Library, 115 Day Hall.

National Aeronautics and Space Ad-

ministration (NASA) has announced a Planetary Geology Program with a deadline for receipt of proposals by late May 1982. The Planetary Geology Program supports scientific investigations which contribute to understanding the geological evolution of the planets, their satellites (including Earth's Moon) and such smaller system bodies as asteroids. This program supports various kinds of related research. Additional information concerning the research efforts and application guidelines are available in the Office of Sponsored Programs Library, 115 Day Hall.

CIVITAS

Center for Handicapped preschool children is looking for volunteers to start now and work through the summer months as classroom aides, for a few hours between 9-3, M-F. Assistants also sought for swim program, Thursdays, 1:15-2:45 p.m. at the Sheraton.

Cornell Plantations Shop hopes to be open weekends this summer, and is seeking volunteers to greet visitors, provide information and maps, and sell books on Sat. and Sun. afts. Will provide training in May in order to extend weekend hours, starting in June. No prerequisites, just an interest in the Plantations.

After-school youth leader needed for work next fall: Downtown youth organization wishes to sign people up now who would like to volunteer as youth leaders next fall. Youth clubs enroll children 6-14 years old and meet weekdays, M-F, from roughly 3-5 p.m. Program activities are usually geared to the talents, skills and interests of the volunteer youth leaders, so whatever you have to offer will be valuable.

Gannett Medical Clinic newsletter is being readied now for fall publication. They need a volunteer to do layout and another to do illustrations. These tasks are estimated to require 5-8 hours each, and the schedule or work can be at your convenience.

Foreign language speakers sought by local nursing home to visit patients who speak Greek, Hungarian and Spanish. Your ability to speak in the patient's native language will be very much appreciated. On city bus line.

Friendly visitor needed over the summer for elderly lady who lives downtown. Weekly or more frequent visits desirable to perform small personal tasks like reading mail and writing letters.

Mental Health Association hopes to find volunteer to organize and edit a newsletter. Deadline for copy is mid-June for publication in July. An opportunity to learn about mental health services in this community.

Program for the terminally ill has requested Italian speakers to be "on call" to visit terminally ill patients now and then; and a volunteer who is computer literate to consult with office personnel regarding the organization of information and procedures for eventual computerization.

Volunteers with standard first aid certification (21 hr. Red Cross course) are needed to accompany Girl Scouts on weekend campouts. You will leave Fri. eve. for one or two nights.

To volunteer your help, come to CIVITAS, 119B Anabel Taylor Hall. Open: Mon., Wed. and Fri., 9-3; Tues and Thurs., 10-2.

Financed in part by the Student Finance Commission and open to the entire Cornell community.

Barton Blotter

Six students have been referred to the Judicial Administrator on charges of harassment. One incident involved five persons late at night at Noyes Lodge.

Also during the week of May 3 through May 9, according to the morning reports of the Department of Public Safety,

three false fire alarms were set off in dormitories on campus and two incidents of theft of services on campus were reported. Three persons left Noyes Lodge without paying their bill and five students were discovered playing on the Cornell Golf Course without having paid the green fees.

In all 20 larcenies involving \$1,165 in cash and valuables were reported on campus during the seven day period. A student reported a knapsack containing \$187 in valuables was stolen from the Campus Store.

Other thefts reported were a \$153 golf ball washer from the golf course, \$160 in hubcaps, a wallet with \$102, and \$69 in cassette tapes.

A thrown football did \$10 worth of damage to a window in Boldt Hall.

Summer Schedules On Campus Buses

Campus bus service over the summer months will be provided on the normal schedules with some reductions in the late afternoon, according to William E. Wendt, director of Transportation Services. The summer schedules will be in effect from Monday, May 24, through Friday, Aug. 27.

He said the evening Blue Light Bus service will be suspended for the summer at the close of service on Tuesday, May 18.

The Blue Light Escort Service will also be discontinued for the summer months at the end of the evening on Tuesday, May 18. However, service through that date will depend on the availability of volunteers to staff the escort routes. Persons interested in being met by an escort should call 256-7373 or the Dean of Students' Office in advance.

Ithaca Transit's Route 2A, which provides evening service Monday through Saturday until 1:17 a.m. between Cornell, downtown, and Ithaca College, will continue service through Saturday, May 22. This evening service will be evaluated over the summer months for possible continuation in the fall.

The regular AB local bus service will remain the same as during the academic year.

Three late afternoon runs on the B Lot Collegetown Bus route will be suspended for the summer. Service from Sheldon Court between 4 p.m. and 6 p.m. will be at half hour intervals, leaving on the hour and half hour. The 4:15, 4:45 and 5:15 p.m. runs will be deleted.

The Langmuir Lab courier van will operate over the summer on the recently implemented schedule (effective March 29).

Information on bus service on the campus is available from the Campus Bus Service, 256-3782, or the Office of Transportation Services, 256-4628.

East Ithaca Transit To Change Schedule

East Ithaca Transit Service (EITS) summer schedule starts Monday, May 24, according to William E. Wendt, director of Transportation Services.

The 5:45 p.m. run from the Vet College to the Eastern Heights area will be suspended for the summer months. The last run of the day will leave the Vet College at 5:10 p.m. and Day Hall at 5:15 p.m.

The remainder of the schedule will continue as is.

Mellon Gift to Aid Post-Docs

\$350,000 to Be Used During '80s

A \$350,000 matching grant from the Andrew W. Mellon Foundation to the university will be used throughout the 1980s in support of post-doctoral fellowships for younger scholars in Cornell's Society for the Humanities.

Terms of the grant call for Cornell to raise \$350,000 from other sources in support of the fellowship program during the next three years. The Mellon Foundation made a similar grant of \$300,000 to the society in 1978.

In a letter to Mellon Foundation President John E. Sawyer, Cornell President Frank Rhodes thanked him for the foundation's "exceptional thoughtfulness and generosity," and called the grant "a great source of encouragement and satis-

faction for all of us.

"The Society's Junior Fellowship Program...affords the university an invaluable means of bringing outstanding young humanists to the campus," Rhodes said. "The importance of the program to these young men and women, as well as its significance to the university and to the humanities in general, is very great indeed."

Since the society's inception in 1966, the program annually has provided fellowships for four or five young men and women from outside of Cornell to spend one or two semesters here.

The junior fellows all have completed their Ph.D. degrees, have taught for at least one year at the college level, and have demon-

strated that they have a broad approach to the humanities, according to Eric A. Blackall, director of the society.

While the junior fellows are at Cornell they offer informal seminars connected with their research interests, and "they are given ample time to study and write," said Blackall. "The results of their activities are impressive."

In addition to the books and articles that develop each year as a result of the program, "the very presence on campus of these talented scholars adds greatly to the part played by the humanities in the life of the Cornell community," Blackall said.

Plasma Physics Authority Here

Marshall N. Rosenbluth, director of the Institute for Fusion Studies at the University of Texas, Austin, will be here May 19 through 21 in his capacity as one of the university's Andrew D. White Professors-at-large.

Rosenbluth is a leading world authority on theoretical plasma physics and its application to the problem of controlled

thermonuclear fusion to solve the world's future energy needs.

While at Cornell he will participate in a workshop on "Plasma Confinement Systems with Energetic Particles" organized by the Laboratory of Plasma Studies.

The workshop will investigate a special technique for confining a thermonuclear plasma which promises several advantages over the

conventional Tokamak Fusion Reactor that is currently the favorite of most laboratories in the world.

This special technique requires intense beams of energetic electrons and ions. The technology and physics of such beams has been the main thrust of the research work at Cornell's Laboratory of Plasma Studies over the past decade.

Physicists Establish Bethe Prize

Physicists at Cornell University have established a new prize, the Bethe Prize, to be awarded this year for the first time to a graduating student at Ithaca High School.

Named for Hans A. Bethe, the theoretical physicist, Nobel laureate, and professor of physics emeritus at Cornell, the prize will go to a student who has demonstrated high achievement in the study

of physics and who plans to pursue a career in the physical sciences. This year's winner will be announced June 2, 1982, at a scholastic awards ceremony at the high school. Professor Bethe will present the inaugural award.

The endowment for the prize was created by the Laboratory of Atomic and Solid State Physics, the Floyd R. Newman Laboratory of Nuclear

Studies, and by members of the Cornell physics faculty. The recipient will be chosen each year by a consultative procedure involving the IHS science teachers, the guidance department and a committee of Cornell physicists. The prize has been established in order to help foster among high school students a continuing interest in the physical sciences.

Libraries Get Australian Books

University Libraries has received some 31 books valued at nearly \$800 during the past year as gifts from the Australian government.

The books published in and about Australia are part of a nation-wide program the Australian government offers this country's leading libraries. Annually the Australian Con-

sulate General in New York City provides a list of books published in Australia, any or all of which are available free to selected American libraries.

According to Louis E. Martin, university librarian, the program is aimed at providing the citizens of this country with information about

the culture and history of a people on the other side of the world who are in so many ways similar to Americans.

One of the books, "The Australian Encyclopedia," was personally delivered by Sir Robert Cotton, the Australian Consul-General during a visit to Cornell.

Civil Rights 'Open House' Set

Representatives of the Office of Civil Rights of the U.S. Department of Education have been on campus this week for a regular review of several programs, and will hold an "open house" for Cornell students from 3 to 5 p.m. today at the Robison Room of Schoellkopf Hall.

"The purpose of the visit is to examine the participation of all Cornell undergraduates in five specific areas of campus life," according to Michael Montgomery, executive director of Cornell's Office of Equal Opportunity.

The five areas are: financial aid, student employment, housing, health services, counseling and tutorial services.

At the open house, the OCR representatives want to meet with members of the Cornell community, especially undergraduates and have them share their perceptions of these five programs at Cornell, ac-

cording to Montgomery.

Regulations of Title VI of the Civil Rights Act of 1964 cited for examination in this review read, in part: "... No person in the United States, on the grounds of race, color or national origin, shall be excluded

from participation in, be denied benefits of, or otherwise be subjected to, discrimination under any program to which this part applies." Educational institutions such as Cornell are included in such programs.

Black Alumni Group Plans 'Update '82'

The fourth reunion of the Cornell Black Alumni Association, Update '82, is scheduled this year from July 23 through July 25. North Campus 7 will be the on-campus reunion headquarters, though rooms are also reserved at Ithaca's Holiday Inn.

Alumni in the three CBAA chapters — New York, Chicago and Washington — have joined in organizing the event, which traditionally draws alumni from all over the country, according to Dennis A. Williams, vice president of CBAA. The now-biannual event previously

was held in 1977, 1978 and 1980.

"The Update has been a key in the development of CBAA as the strongest organizational link among alumni who seek to share their expertise and concerns with one another, the university and undergraduates," Williams said.

For further information, contact Williams either by writing CBAA, Box 818, Church Street Station, New York, N.Y. 10008 or by calling (212) 350-2854.



Examining some 190 reels of microfilm comprising the largest cache in America of manuscript materials from the island of Java in Indonesia and now in the possession of Cornell University Libraries are from left, clockwise, Louis E. Martin, university librarian; Giok Op Oey, curator of Echols Collection on Southeast Asia; Jessica Glicken, graduate student in anthropology with interest in Southeast Asia; C. Herbert Finch, assistant university librarian for special collections, and David K. Wyatt, professor of Southeast Asian history.

Libraries Have Leading Collection from Java

The University Libraries is now the leading American repository of manuscript materials from the island of Java in Indonesia.

Some 190 reels of microfilm containing nearly half a million pages of works in the Javanese language and script, were turned over to the library April 28 marking completion of the major portion of a three-year project funded by the National Endowment for the Humanities.

The library was also presented a 2,000-page catalog of all manuscripts filmed to date, making them easily accessible to scholars.

The microfilming is being done by David K. Wyatt, professor of Southeast Asian History, and Nancy Florida, a graduate student of the Southeast Asia Program and Department of History at Cornell.

In 1980 they were awarded a \$45,000 grant by NEH to microfilm a major archive of Javanese-language literary and historical materials in the historic principality of Surakarta, Central Java. The project began by filming the holdings of the Mangkunagaran Palace Library.

Subsequently through the efforts of James T. Siegel, professor of anthropology and Asian Studies at Cornell, the project was expanded to include the extensive holdings of the Museum Radyapustaka and the Surakarta Palace Library.

The collection presented to the Libraries consists of nearly 1,500 manuscript titles.

Wyatt said the materials cover an enormous range of traditional

Javanese concerns, from the classical literary romances and historical chronicles, and the correspondence between the Javanese rulers and the Dutch colonial government in the eighteenth and nineteenth centuries, to twentieth-century court diaries and correspondence down to as late as the Indonesian Revolution of the late 1940s.

The collection constitutes, he said, a fundamental resource for scholarly work on Javanese and Indonesian culture and history, and in years to come will attract scholars to Cornell from around the world.

Florida spent the period from July 1980 to November 1981 in Surakarta supervising the operation of two microfilm cameras and preparing all the manuscripts for filming.

Filming was undertaken under agreements with the Indonesian Government and the depository libraries, the terms of which call for the deposit of a negative copy of all films in the Indonesian National Archives and positive copies presented to the depositories, together with microfilm readers.

The Cornell University Libraries' Echols Collection on Southeast Asia holds a positive copy and a negative of all the films. Manuscripts now can be spared the wear and tear of further use in the depository libraries, and be insured against the ravages of climate and such natural catastrophes as fire and flood. Additional copies can be made available only with the written permission of the original depositories.

Children's College Has Full Program Of Activities Open to Area Youths

"Enjoyable programs, rich in educational content, that use the resources of the Cornell University campus" is the way the 1982 Cornell's Children's College is described by its director.

Cornell's Children's College, the youth program component of Cornell's Adult University, will run from July 4 through Aug. 7, and once again will be open to area youths according to Helen Hamilton, associate director of CAU and leader of the children's college.

There will be five one-week programs of youth activities which take into account each child's level of interest and ability," Hamilton said. The children are divided into four groups: Snoopys, Clowns, Junior Cornellians and Teens.

The programs for "Snoopys," children ages 3 to 5, and for "Clowns," children who have finished kindergarten or first grade, are built around a theme-of-the-day such as environmental science, food science, veterinary medicine or communications arts.

"Junior Cornellians," children who have finished between grades two through six, will sign up for morning study in courses on

dinosaurs, experiencing the natural world, cuisine, tennis or riding.

The "Teens" program includes basic mountaineering, video, computer programming, riding or tennis.

Recreational and social activities are part of each day's schedule of events for each group.

Tuition, which includes hot

lunches for all children plus Friday night dinner for Clowns and Junior Cornellians, is \$55 per week for Snoopys and Clowns, \$60 for Junior Cornellians, \$185 for Teens. The program for Teens is scheduled to be a week-long, live-in one.

Details of the programs are available at the CAU office, 626B Thurston Ave., 256-6260.

Beekeeping Course Offered in July

For anyone interested in maintaining honey bee hives, a beekeeping short course will be offered at Cornell University from July 16 to 18 by some of this country's foremost bee experts.

An inexpensive hobby which can reap a financial return of 25 to 50 percent on its original investment each year, beekeeping can be a rewarding endeavor. About 50 pounds of honey can be extracted from just one hive of honey bees. Also, honey bees are fascinating insects because of their social behavior, dance language and odor communication system.

Persons interested in registering for the course, which costs \$100 per person including room, board and

all instruction materials, should write Office of Agriculture, Department of Entomology, Comstock Hall, Cornell University 14853. If necessary to phone, call (607) 256-5443.

Amnesty Week At Mann Library

May 14-22 has been declared "No Fines Week" at Mann Library, according to Edward L. Stewart, circulation assistant.

Anyone returning overdue materials, except "reserve" items, during that time will not have to pay any overdue charges.

Questions should be addressed to the Mann Library Circulation desk, 256-3296.

Life Safety Services

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Life Safety, Environmental Health and Insurance — is responsible for the well being of the people of this large, complex research university. A comprehensive program of education and training, hazard identification and monitoring, drills, investigations and inspections has enabled Cornell to attain an enviable safety record for its staff, students and visitors.

For example, Cornell's lost work day accident rates for the past three years are about three-quarters of the national average for educational institutions, based on statistics from the National Safety Council. The university provides a work environment that, in many cases, exceeds safety standards set in state health and safety laws.

In the past the university has received special recognition for its prevention activities from the National Fire Protection Association, and a special Safety Achievement Award from the Atlantic Insurance Companies.

Originally part of Cornell Public Safety, Life Safety Services was made a separate unit about 11 years ago. Some three years later the Insurance and the Radiation Safety segments were added, and the enlarged department was designated Life Safety Services and Insurance.

The Insurance unit, which handles some 30 types of property and casualty insurance for the university but not life insurance or employee benefits, makes Life Safety Services a "risk management" organization as the university works to prevent occurrences and reacts immediately to limit losses. The functions of Radiation Safety, which was reorganized in 1981 to become the Office of Environmental Health, are described in an accompanying article.

Twelve inspectors and four technicians work with Life Safety Services Director Eugene J. Dymek in the university's fire protection, prevention and safety programs.

One inspector is responsible for all construction and renovation projects of the university, ensuring the safety of Cornell employees as well as those of outside contractors. No construction or major renovation project is begun without the review and approval of Life Safety Services.

One inspector devotes full time to fraternities, sororities and small living units, and another has responsibility for dormitories. Inspecting Cornell's academic and administration buildings occupies three members of the Life Safety staff, and three others inspect, recharge and maintain all fire extinguishers on campus.

Maintaining and inspecting fire alarm systems is the job of another trained inspector from Life Safety Services, and maintenance of automatic sprinkler equipment is the responsibility of a second.

New York State law requires that all buildings be inspected once a year, but most are inspected by Life Safety personnel on a more frequent basis.

Four fire drills per year are conducted in each living unit and three per year in each academic building. Elevators are safety-inspected four times a year.

In the third quarter of 1981, for instance, Life Safety Services personnel made 733 inspections of construction, renovation and excavation sites; conducted 657 fire alarm tests; responded to 139 reports of smoke or odor; and investigated 684 complaints of hazardous conditions. Whenever a hazardous condition is found, the inspectors make recommendations to correct the problem.

As an around-the-clock, seven-day-a-week operation, Life Safety

inspectors are able to respond to emergencies and are in attendance at all public functions such as sporting events and concerts.

Life Safety personnel respond to emergencies, working in cooperation with Cornell Public Safety, fire departments in Ithaca, Cayuga Heights, and Varna and with the Ithaca Police Department and ambulance services. In the event of a chemical spill, for example, Life Safety inspectors are ready with breathing apparatus, protective clothing and the equipment to clean up and dispose of the material.

Conditions that may result in occupational illness are identified and monitored by Environmental Health and Life Safety inspectors. Environmental Health personnel participate in such groups as the Bio-hazard Safety Committee and the Recombinant DNA Research Committee. Life Safety Services also operates the university's personal protective equipment program, which provides respirators and supervises the employee eye protection and safety shoe programs.

Jurisdiction of Life Safety Services extends far beyond the more than 400 buildings and 740 acres of the Ithaca campus. Inspectors visit the Cornell Medical College in New York City and duck farms on Long Island, the radio-radar observatory in Arecibo, Puerto Rico, the Shoals Marine Laboratory in Maine, the drug testing laboratories at house racing tracks throughout the state and even the Cooperative Extension maple syrup facilities in the Adirondack Mountains.

To report a safety hazard or to receive more information on the programs of Cornell Life Safety Services and Insurance, call 256-3741.

Kissinger to Speak Here During Alumni Reunion

Henry A. Kissinger, former Secretary of State under President Nixon, will give a public lecture at 4 p.m. Saturday, June 12, in Bailey Hall as part of Alumni Reunion Weekend activity.

Kissinger's topic will be "Geopolitical Outlook for the Coming Decade."

The author of numerous books on foreign policy, international affairs and diplomatic history, Kissinger's memoirs, "White House Years" and "Years of Upheaval," are current bestsellers.

He spent many years on the faculty at Harvard University, both in the Department of Government and at the Harvard Center for International Affairs.

Kissinger's appearance at Cornell is sponsored by the Graduate School of Business and Public Administration and is made possible by a grant from the Frank Stanley Beveridge Foundation.

Environmental Health

Continued from Page 3

some 250 laboratories, and for the regulation of several hundred electronic radiation producing devices on campus. The office also oversees Cornell's compliance with New York State's new Toxic Substances Right-to-Know Act.

Although Cornell has a so-called "broad license" from the state Department of Health for a wide range of radioactive materials, users must have a permit, issued by the Radiation Safety Committee, for each material, explains Radiation Safety Officer Dominic A. Versage. A three-member subcommittee reviews each permit application, inspects the laboratory where the material will be used, and confers with Versage and with the full committee before issuing user permits. Many of the hundreds of radioisotopes listed in Cornell's "broad license" are restricted to specific uses, Versage adds. User permits are issued for the use and storage of radioactive materials only; shipping and waste disposal are the job of the Office of Environmental Health.

Recently, when the Wilson Synchrotron Laboratory transferred some 30,000 pounds of depleted uranium-238 to the State University of New York at Buffalo, the Office of Environmental Health reviewed city and county regulations on the shipment of radioactive materials and helped coordinate the move. The uranium bricks, which had been used as shielding at the synchrotron, were part of the largest amount — by weight — of radioactive material in use at Cornell.

Other examples of radioactive materials in Cornell laboratories include hydrogen-3, also known as tritium, which is used for the biological labeling of cells; carbon 14, frequently used for "tagging" in studies of the translocation of compounds in plants; and technetium-99, used in diagnostic work at the Small Animal Clinic.

The university's monitoring of radioactive material usage began more than 30 years ago — before the implementation of state licensing requirements — with the formation of the former Radioisotopes Committee. At that time, a physician who was head of university health services chaired the committee. Dr. Richard A. Wentworth is now chairman of the Cornell Radiation Safety Committee.

Biological and chemical hazards are the specialty of the office's environmental hygienists, Herbert W. Charnley and Judith A. Crawford.

Unlike industry, where the con-

cern is generally with large quantities of a relatively small number of substances, at a major research university such as Cornell there are small quantities of literally thousands of materials, points out Charnley, a Cornell Ph.D. in biology.

Crawford, a chemist with a master's degree in occupational health, is also the coordinator in Cornell's efforts to comply with the Toxic Substances Right-to-Know Act, which guarantees all workers a legal right to information on the toxicity of materials in their workplaces. Since June 1981, the Office of Environmental Health has answered some 200 requests for information on nearly 300 different substances, Crawford reports.

An instance of the right-to-know law in action occurred late last summer when some 100 Olin Library employees signed a request for information on the coal tar being used in a library roofing project. The Office of Environmental Health investigated the situation and determined that fumes from the roofing tar possibly contained very low levels of potentially carcinogenic chemicals. By rescheduling library hours, the university was able to complete the roofing job without annoying employees or users of the facility. Subsequent sampling demonstrated that the levels of coal tar were so low that no carcinogenic materials could be detected.

"There is a lot of interest in the law on campus," Crawford observes, noting that Cornell is one of the few educational institutions in the state to make a serious effort at compliance. "Sometimes, when we investigate a request for information, we are able to suggest a different, but equally suitable substance. We ask, 'Is this substance essential to your research or to your process? Can you make a substitution?'"

The Office of Environmental Health will soon begin training supervisors to obtain information on toxic substances of concern to employees in their departments. Involving supervisors is also a step toward compiling an inventory of toxic substances used at the university.

More information on the services of the Office of Environmental Health is available by calling 256-8202.

People

Eisner Wins Honorary Degree

Thomas Eisner, the Jacob Gould Schurman Professor of Biology in the Division of Biological Sciences, has received an honorary doctorate from the University of Wurzburg, West Germany.

The honor was bestowed on Eisner in recognition of his research in biology. He attended ceremonies in Wurzburg on the occasion of the

400th anniversary of the university.

A professor in the section of neurobiology and behavior in the State College of Agriculture and Life Sciences since 1954, Eisner is a member of the National Academy of Sciences, and a fellow of the American Academy of Arts and Sciences, the Royal Society of the Arts, and the Explorers Club.

Recognized as a specialist in animal behavior, chemical ecology and evolution, and the chemical language of insects, Eisner is the recipient of many awards and lectureships, including the Founder's Memorial Award of the Entomological Society of America and the Newcomb Cleveland Prize of the American Association for the Advancement of Sciences.

since 1969, has been elected professor of English history. Baugh's specialty is 18th-century English history, particularly maritime, naval and administrative history and also English economic thought and attitudes toward poverty. Baugh is a former Councillor of the Navy Records Society in London. His recent book, "Naval Administration, 1715-1750," was published by the society in 1977.

Harry Chaskey, director of the Cornell Campus Store, has been appointed to serve as chairman of the Education Committee of the national Association of College Stores. The Education Committee is charged with formulating and developing regional meetings and seminars for NACS members; creating course development committees; and reviewing or revising the NACS educational curriculum.

Walter J. Kender has been re-elected chairman of the department of pomology in the State College of Agriculture and Life Sciences and head of the department of pomology and viticulture in the State Agricultural Experiment Station at Geneva. Kender, professor of pomology, was originally elected chairman of the department in Ithaca in 1975 and head of the department in Geneva in 1972. Kender joined the Geneva staff in 1969 after seven years on the faculty of the University of Maine.

Bruce E. Hedin of Mechanicsburg, Pa., a senior classics major, has won the 1982 Lane Cooper prize of \$150. The prize is awarded annually to the student "who shall... demonstrate the greatest promise in the application of classical learning to the problems of modern life." The funds for the prize were provided anonymously by a former student of Lane Cooper, a professor of English at Cornell from 1902 to 1943, in gratitude for Cooper's help to him as an undergraduate.

Two Cornell University professors of linguistics represented the United States at a recent meeting sponsored by the Organization of American States in Kingston, Jamaica. Donald Sola gave the principle address on the conference theme: "Cultural Integration in the Caribbean Region." Frederick Agard, professor emeritus, spoke on the grammar of Papiamentu, the creole language of the Netherlands Antilles.

Stephen E. Bloom has been elected professor of cytogenetics in the State College of Agriculture and Life Sciences. A faculty member of the college's department of poultry and avian sciences since 1968, Bloom is an internationally recognized authority in the field of animal cytogenetics, a branch of biology dealing with the study of cells and heredity. He is also a member of the Division of Biological Sciences and the Institute for Comparative and Environmental Toxicology at Cornell.

Norman F. Weeden has been appointed an assistant professor of plant biochemistry in the Department of Seed and Vegetable Sciences at Cornell's Agricultural Experiment Station, Geneva. Using a special technique to test for approximately 25 different enzyme systems, Weeden already has begun the

genetic characterization of various crop plants in the station's Seed Testing Laboratory. The characterization program, when completed, will enable the technical staff of the station to identify varieties of seed to determine whether they meet label specifications.

Nancy Ann Bernstein, Roger T. Bonneau and Matthew R. Caleb have been awarded the 1982 Laubengayer prizes, according to an announcement by Department of Chemistry Chairman Roald Hoffmann. The prizes, which include awards of \$100, were established in honor of professor A.W. Laubengayer on the occasion of his retirement in 1966, and reflect his interest in undergraduate students and his extensive activity in undergraduate instruction.

Dr. George C. Poppensiek, the James Law Professor of Comparative Medicine at the College of Veterinary Medicine, has been inducted into the National Academy of Agronomy and Veterinary Medicine, Republic of Argentina. He is the first veterinarian in North America to receive this honor. Membership in the academy recognizes Dr. Poppensiek's collaboration with Argentine scientists over a span of two decades, especially in matters relating to foot-and-mouth disease, academic veterinary medicine, teaching and research.

Charles J. Eckenrode, Terry E. Acree and Chang Yong Lee have been promoted to the rank of full professor from associate professor at the Agricultural Experiment Station, Geneva. Eckenrode, a member of the faculty since 1970 and now professor of entomology, is known for his research into the biology and control of vegetable pests. Acree, who began his career at the Geneva Station in 1963 as a research assistant and is now a professor of biochemistry, has gained worldwide recognition for his studies of the flavors found in wines. Lee, whose primary responsibility is the application of plant biochemistry to research on the quality of fruit and vegetable products, came to the station in 1967 as a research associate and is now a professor of food science.

Charles A. Peterson of Cornell's History Department will be co-chairman of an international research conference on imperial governance in China in the 10th-14th centuries late this summer. Sponsored jointly by the American Council of Learned Societies and the Deutsche Forschungsgesellschaft, the conference will be held at Schloss Reisenburg, West Germany, and have participation of Asian as well as German and American scholars. One of its chief goals is to assess the impact of foreign rule, such as that of the Mongols, on Chinese forms of governance.

James E. Hunter and James N. Cummins have been promoted to the rank of full professor from associate professor at the Agricultural Experiment Station, Geneva. The chairman of the Geneva Department of Plant Pathology since 1972, Hunter has expanded a program to study the foliar diseases of vegetables. Cummins, a professor of pomology, is responsible for the only program in the United States to focus on the breeding and evaluation of new fruit tree rootstocks.

Carlin Receives 3-Year NSF Grant

Herbert J. Carlin, the J. Preston Levis Professor of Engineering in the School of Electrical Engineering, has received a three-year National Science Foundation research grant for \$167,000.

Carlin will give a series of 12 or more lectures related to the subject of the grant during a five-week stay at Tianjin University in The People's Republic of China starting June 1.

The research, entitled "Theory and Design of High Frequency Coupling Structures," is a new pro-

gram concerned with the theory and design of electrical circuits which operate at very high frequencies.

These frequencies exceed 1 billion cycles/sec and can extend into the optical region. New solid state devices now being developed for these high frequencies, to be useful, must be interconnected to external systems by special equalizers or coupling networks. It is the combination of device and equalizer forming an amplifier structure which is of special interest under the new program.

Applications include satellite communication, radar, and even the high speed circuitry that could be employed in the next generation of computers.

Carlin and his students have recently developed a novel computer aided design procedure which is to be a focal point of the new program. Also involved in the research during summers will be Pier P. Civalleri, professor at the Polytechnic Institute of Turin, Italy.

Fregin Heads Equine Research

Dr. C. Frederick Fregin, associate professor of chronic diseases in the College of Veterinary Medicine, has been appointed director of the Equine Research Program at Cornell.

A recognized international authority in cardiology and cardiovascular disease of the horse, Dr. Fregin will coordinate the vari-

ous equine research programs of the Veterinary College, and will work closely with the Equine Advisory Council. He will also be involved, through the College Office of Public Affairs, with the development of external understanding, visibility and support for the entire equine program.

Dr. Fregin is a graduate of the

University of Pittsburgh and received his V.M.D. degree in 1964 from the University of Pennsylvania. He remained at Pennsylvania for additional postdoctoral training in the cardiology and comparative cardiovascular studies program, and then was appointed assistant professor of clinical studies.

Dale E. Bauman, an internationally recognized leader in animal nutrition, has been awarded the 1982 bronze medal by the New York Farmers, a century-old organization of patrons of agriculture. A professor of animal science in the State College of Agriculture and Life Sciences, Bauman was presented with the medal and an award of \$500 for his service to agriculture. Recently, Bauman gained national attention when he announced his research findings that growth hormone triggers significant increases in milk yields in typical modern dairy cows, without using any extra feed.

John F. Abel has been elected professor in the School of Civil and Environmental Engineering effective April 1. A member of the Department of Structural Engineering, Abel joined the Cornell faculty as an assistant professor in 1974 after having served four years as a lecturer and research associate at Princeton University. He was named an associate professor in 1978. A specialist in finite element analysis, he is co-author of a textbook titled "Introduction to the Finite Element Method." He teaches courses in structural analysis and design, numerical methods and structural mechanics.

Duane Chapman of the department of agricultural economics has been promoted to the rank of professor, with indefinite tenure, by the Board of Trustees. A nationally recognized authority on energy economics, Chapman joined the faculty

of the State College of Agriculture and Life Sciences at Cornell in 1971. His specialty is public policy as it relates to energy production and use. He has been asked frequently to testify before state and U.S. Senate and House committee hearings on issues such as electricity demand, the financial structure of the petroleum industry, and nuclear power.

Joan Jacobs Brumberg, an assistant professor since 1978, has been named a 1982-83 Fellow at the Charles Warren Center for Studies in American History at Harvard University. A historian, Brumberg has a joint appointment with the Department of Human Development and Family Studies, College of Human Ecology and the Women's Studies Program. At the Warren Center she will be working on a book about the changing historical experience of female adolescence in the United States, 1850 to the present.

Clive Anthony Holmes, a faculty member since 1969, has been elected professor of English history in the Department of History. Holmes is a leader in the field of 17th-century social and political English history, specifically the relationship between localities and the central government. He recently won election to the executive committee of the National Conference of British Studies and in 1980 he was elected to the Royal Historical Society.

Daniel A. Baugh, associate professor in the Department of History

Mary L. Jacobus has been elected professor in the Department of English. Jacobus is known for her analyses of 19th-century literature, particularly the works of Wordsworth and Hardy. She is also involved in the field of feminist literary criticism. She came to Cornell in 1980.

Stephen Bailey Pope, associate professor in the Sibley School of Mechanical and Aerospace Engineering, has been elected to tenure. Pope's expertise is in the field of modelling turbulent reactive flows. Before coming to Cornell, Pope was an associate professor at the Massachusetts Institute of Technology.

William John Kennedy, has been elected professor in the Department of Comparative Literature. Kennedy is a leading American specialist in comparative Renaissance literature. His first book, "Rhetorical Norms in Renaissance Literature," will be published this year. He has been a Cornell faculty member since 1970.

Joseph Frank Veverka has been elected professor of astronomy. Veverka has achieved international stature in the field of planetary astronomy and planetary geology. His research centers on the photometry of solid surfaces and studies of asteroids and satellites. Veverka has been a member of numerous National Aeronautics and Space Administration space teams since 1971, including Mariner 9, Viking Orbiter, Voyager and Galileo Orbiter, which will be launched in 1985.

PRIZES

Hollister Awarded Top WSU Prize

Solomon C. Hollister, dean of the College of Engineering at Cornell from 1937 until his retirement in 1959, has received Washington State University's Alumni Achievement Award.

According to an announcement by Washington State, he was cited for "brilliance and boldness in pioneering the field of reinforced concrete, and in bringing prominence to his profession."

Hollister, who was 90 last August and who still lives in Ithaca, de-

signed the first successful, government-built concrete ships during World War I, paving the way for the construction during World War II of more than 100 concrete ships, 375 feet long and drawing 28 feet of water, that were used in McArthur's campaign and the invasion of Normandy.

A skewed arch bridge, the design of which won him the prestigious Wason Medal of the American Concrete Institute in 1929, is sound and standing in Chester, Pa.

Hollister designed the four 30-foot-diameter penstocks that bring water from the reservoir to the turbines of Hoover Dam. The penstocks were the first large pressure vessel structures to be welded successfully.

As a member of the Second Hoover Commission, he helped formulate proposals for reducing the cost of government by some \$10 billion.

received the B.A. degree in 1965. She then enrolled at Temple University to continue her studies in biology, and obtained her master's degree in 1969. She is presently a Ph.D. candidate in the Field of Human Service Studies.

Liu Memorial Fund Winners Selected

Five PhD candidates have been named recipients of the Liu Memorial Fund for 1982. Awards were made to Gee San and Chong Zheng; Yung-Sze Choi, Yue Hu and Ming Li received honorable mention.

The annual competition honors the memory of Ta-Chung Liu, the Goldwin Smith Professor of Economics and Chairman of the Department of Economics at Cornell until 1975, and his wife Ya-Chao. The Memorial Fund was established in their name to encourage excellence in scholarship and research.

Gee San, studying labor economics at ILR, has recently passed his qualifying exam and embarked on his dissertation research on the determinants of the duration of industrial strikes.

Chong Zheng will begin his third year of graduate studies in Chemistry. Supported by the Chinese government for his first two years, he has been selected as teaching or research assistant for next year with Roald Hoffmann, John A. Newman Professor of Physical Science and recent Nobel laureate.

The three students selected for honorable mention are all first year

graduate students. Yung-Sze Choi was admitted to the Field of Theoretical and Applied Mechanics with a McMullen Graduate Fellowship, normally offered to the Department's outstanding overseas applicant.

Yue Hu is one of the first four students to come to Cornell from the People's Republic of China under the independent China-U.S. Physics Examination and Application (CUSPEA) Program.

Ming Li largely taught himself Computer Science in Beijing, earned his M.S. after one year at Wayne State and passed his qualifying exam after only one semester at Cornell in the Field of Computer Science.

Spanish

Seven undergraduates have won prizes and awards in the J.G. White Prize and Scholarship competition this year.

The prize for excellence in Spanish was awarded to Herb Riband, a sophomore from Fort Washington, Pa.

The prize for excellence in English to a student whose native language is Spanish was won by Pedro Rodriguez, a freshman from the Dominican Republic.

The prize for excellence in Spanish for a student in the School of Engineering was won by Frank Lopez, a junior from El Paso, Texas.

On the basis of academic achievement and the recommendations of faculty members, the following students won scholarships: Linda Zell of Bethesda, Md.; Paul Perez of Riopiedras, P.R.; Ruth Coomber of Morrisville, Pa., and Lisa Yanguas of Ardsley, N.Y.

Short Story

Lorrie Moore of Ithaca, a graduate student, has won the 1982 Arthur Lynn Andrews Prize of \$100 for short story writing.

Robert F. Strauss of Roslyn Heights, N.Y., a junior, won the second prize of \$100.

Moore's winning group of three stories were titled "How to Be an Other Woman," "What Is Seized" and "The Kid's Guide to Divorce." Strauss' winning stories were titled "The Last Cat Story" and "Vital Deeds."

The competition was established in 1965 in memory of Arthur Lynn Andrews, an 1893 Cornell graduate.

German

Mark Loudon of Oakland, Calif., a sophomore, has won the 1982 Simmons Award in German.

The prize of \$25 in books is given annually to a student who has done the best work in German. The award was established in 1942.

P&G Excellence

Anita Marie Przemieniecki, a junior in the College of Engineering, has received a 1982 Procter and Gamble Technical Excellence Award.

The award consists of \$500, a plaque, and an all-expenses-paid, two-day trip to Cincinnati, Ohio, to tour Procter and Gamble's Technical Divisions.

The award is given to a member of the junior class who exhibits high academic achievement and technical excellence as an undergraduate. The person also must take an active role in one or more of the professional societies on campus such as the American Society of Mechanical Engineers, and the Society of Women Engineers.

Goethe

Catherine Creecy, a graduate student in German literature, has won the 1982 Goethe Prize of \$250 for her essay, "Eulogy of a Lost Cause: Heine's 'Ludwig Marcus'."

A second prize of \$150 went to Paul George Levesque, of Orange Park, Fla., a junior in the College of Arts and Sciences, for his essay, "The Flight From the Word: The Problem of Language in Goethe's 'Faust,' Part One."

Corson French

Alicia Leigh Wescott, a graduate student, has won the 1982 Corson French Prize of \$350. The prize is awarded annually by the Department of Romance Studies for the best essay on either French philology or French literature.

Courant

Deborah R. Geis of Highland Park, Ill., a senior in the College of Arts and Sciences, has won the 1982 Juliette MacMoinnie Courant Prize of \$250.

The prize is awarded annually by Cornell's Department of Romance Studies to the senior woman majoring in French who has made the best record for four years with special reference to facility of expression in French.

Pacemaker Inventor Wins Highest Award

A Cornell alumnus who developed the first implantable cardiac pacemaker received the highest award of the Association for the Advancement of Medical Instrumentation at its annual banquet in San Francisco Monday.

Wilson Greatbatch of Clarence, N.Y., a 1950 Cornell graduate, received the 1982 AAMI Foundation Harold Laufman Award "for his diverse and significant contributions to innovation in the development of implantable devices," according to the awards committee announcement.

The award has been described as "America's most prestigious prize in biomedical engineering." The 1978 AAMI Laufman Award winner, Godfrey N. Hounsfeld, shared the 1979 Nobel Prize in Medicine for his development of computerized axial tomography (CAT scanner).

The AAMI Laufman Award was established in 1974 at the request and through the generosity of Dr. Harold Laufman, a retired New York City surgeon and professor emeritus at Albert Einstein College of Medicine. The award recognizes outstanding contributions to the advancement of medical technology for improved patient care.

Greatbatch played a key role in the development and invention of the pacemaker in 1960. The device has been responsible for a substantial reduction in the mortality rate from complete heart block.

Cocchetto Named As Top Teacher

Joseph F. Cocchetto, assistant professor of chemical engineering, has been named the 1982 recipient of the \$1,000 award for Excellence in Engineering Teaching at Cornell University.

The award is sponsored by the Cornell Society of Engineers, an alumni group, and the Cornell chapter of Tau Beta Pi, a student honorary society in engineering. It is given annually on the basis of nominations by engineering students.

Cocchetto received his Cornell degree in chemical engineering, with distinction, in 1973. He did his graduate work at the Massachusetts Institute of Technology, earning the M.S. degree in 1974 and the Ph.D. in 1979, the year he joined the Cornell faculty. A specialist in chemical reaction engineering and heterogeneous catalysis, his research interests include the development of fuel cells and the conversion of coal

to liquid fuels. During the mid 1970s he worked two years as a research engineer with E.I. duPont de Nemours and Co.

10 Grad Students Win NSF Awards

Ten first-year graduate students have been awarded predoctoral fellowships from the National Science Foundation.

They are: Stephen D. Belsky, in botany; Nelson Eugene Bickers, in physics; Luis M. Falcon, in sociology; Roger Lew, in botany; Randall J. Miller, in nuclear science and engineering; Anita M. Oberbauer, in animal science; Lee J. Richter, in physics; Ralph W. Rose, in city and regional planning; Fernando Sanchez, in anthropology; and Jane M. Santos, in microbiology.

The NSF Graduate Fellowships and NSF Minority Graduate Fellowships are awarded for advanced study in the natural and social sciences, mathematics, and engineering. They provide a total of 36 months of support at an annual stipend of \$6900 plus a \$4000 cost of education allowance paid to the fellow's institution in lieu of tuition and fees. A total of 500 NSF Graduate Fellowships and 55 NSF Minority Graduate Fellowships were awarded nationally for 1982. Cornell University currently has 72 NSF predoctoral fellows affiliated with it.

Buttrick-Crippen Winners Selected

Georgette Sinkler and Candace H. Widmer have each been awarded a 1982-83 Buttrick-Crippen Graduate Fellowship in Expository Writing. The fellowships will provide a 12-month stipend of \$7200 plus tuition for the 1982-83 academic year.

As Buttrick-Crippen Fellows, Sinkler and Widmer will spend the fall semester planning and preparing a course to be offered in the spring. The courses will be taught as part of Cornell's Freshman Seminar Program, which is under the direction of Jonathan P. Bishop, professor of English.

Sinkler was awarded the B.S.E. degree in 1978 from Princeton University, where she majored in civil engineering. She enrolled in the doctoral program in philosophy in fall of 1978, and was awarded the M.A. degree from Cornell University in 1981. She is presently a candidate for the Ph.D. degree in the Field of Philosophy.

Widmer is a graduate of Gettysburg College, where she studied biology, physics and chemistry. She

Overseas Study Competition Open

The Institute of International Education announced that the official opening of the 1983-84 competition for grants for graduate study or research abroad in academic fields and for professional training in the creative and performing arts is scheduled for May 1, 1982. It is expected that approximately 500 awards to 50 countries will be available for the 1983-84 academic year.

The purpose of these grants is to increase mutual understanding between the people of the United States and other countries through the exchange of persons, knowledge and skills. They are provided under the terms of the Mutual Educational and Cultural Exchange Act of 1961 (Fulbright-Hays Act) and by foreign governments, universities, corporations and private donors.

Applicants must be U.S. citizens at the time of application, who will

generally hold a bachelor's degree or its equivalent before the beginning date of the grant and, in most cases, will be proficient in the language of the host country. Except for certain specific awards, candidates may not hold the Ph.D. at the time of application. Candidates for 1983-84 are ineligible for a grant to a country if they have been doing graduate work or conducting research in that country for six months or more during the academic year 1982-83.

Creative and performing artists are not required to have a bachelor's degree, but they must have four years of professional study or equivalent experience. Social work applicants must have at least two years of professional experience after the Master of Social Work degree; candidates in medicine must have an M.D. at the time

of application.

Selection is based on the academic and/or professional record of the applicant, the validity and feasibility of the proposed study plan, the applicant's language preparation and personal qualifications. Preference is given to candidates who have not had prior opportunity for extended study or residence abroad.

Application forms and further information for students currently enrolled in Cornell University may be obtained from Jeanne M. Bowen, Fulbright Program Adviser, who is located in 114 Sage Graduate Center. The deadline for obtaining application on this campus is **September 10, 1982**. Completed applications must be received by **September 24, 1982**.

Brief Reports

Employee Election Returns Are In

Marilyn K. Cook, a secretary in cooperative extension, has been elected Employee Trustee. Cook will replace George Peter who has been an Employee Trustee for a total of seven years. Peter has been elected to a seat on the Employee Assembly for a two-year term.

Other employees who have been elected to the Employee Assembly are: endowed, non-exempt—Joan Lockwood, administrative aide in the Department of Transportation Services, and Kurt Edelman, a cook in the Department of Dining Services; statutory, non-exempt—Harold S. Martin Jr., a gardener in floriculture and ornamental horticulture; statutory at-large—Lottie Johnson, a laboratory technician in nutritional sciences.

Any remaining vacancies will be filled by runners-up, according to Marilyn Walden, administrative supervisor in the Office of the Assemblies. Action on the vacancies will be taken at the May 18 Employee Assembly meeting.

Student Insurance Premiums Are Listed

Premiums for the Cornell-sponsored Accident and Sickness Insurance Plan for students are expected to increase only 3 percent for the 1982-83 academic year, according to Mary Little, student insurance representative.

The increases in premiums, according to Little, are less than the cost of the increased benefits because of a reduction in the cost of existing benefits.

The anticipated student premium will be \$130. This premium will allow an increased benefit payment in areas which have not been increased for several years, Little said.

The surgical unit benefit will be increased from \$6 to \$10. Outpatient expenses such as x-rays, laboratory costs and emergency room fees will be paid up to \$150 from \$125. The abortion benefit will increase from \$250 to \$300 and the consultation benefit will increase from \$35 to \$50 per illness.

The spouse premium is expected to be \$380. This premium will be reduced to \$287 for those spouses who purchase nine months of pre-paid care at Gannett Health Center. The cost of enrolling children is expected to be \$141 per family.

Provost's Breakfast Still Has Openings

There are still openings for employees to have breakfast with Provost W. Keith Kennedy at 7:30

a.m. Wednesday, May 9, in the Elmhurst Room, Willard Straight Hall.

The breakfast is being sponsored by the Employee Assembly as part of its ongoing program designed to improve communications between employees and senior administrators.

Any Cornell employee interested in attending should contact the Office of the Assemblies, 165 Day Hall, 256-3715.

Psychiatrist to View 'Reagan's America'

A psychiatrist's view of contemporary America will be offered at 3:30 p.m. Friday in the Hollis Cornell Auditorium of Goldwin Smith Hall.

Dr. Casper G. Schmidt, a child psychiatrist from New York City, will speak on "Reagan's America: The Psychoanalytic Interpretation of Current Events."

During his presentation, Dr. Schmidt will discuss such topics as the pervasiveness of the theme of "cuts" in Reagan's administration, as well as the use of psychoanalysis as a means of predicting war. He bases many of his conclusions upon his unique readings of newspapers, magazine covers, and television and radio reports.

Dr. Schmidt is internationally known for his psychohistorical researches on the theory of group fantasies, as well as for work on the classification of childhood hysteria, and the treatment of color blindness.

Garden Plots Will Be Distributed

Cornell garden plots will be distributed beginning at 10 a.m. Saturday, May 15, in the auditorium of Martha Van Rensselaer Hall.

Those who signed up in advance should have received a letter with the appropriate information. Those who have not signed up in advance should go to MVR at 1 p.m. that day at which time the remaining plots will be distributed.

Land for the plots has been donated by the New York State College of Agriculture and Life Sciences.

Traffic Bureau Has Summer Hours

Summer hours will go into effect at university's Traffic Bureau, Monday, May 17.

Located at 116 Maple Avenue, the office will be open from 8 a.m. to 4 p.m., Monday through Friday, through the end of August, according to Sally Van Etten, traffic bureau manager.

Sailing Courses Will Be Offered

The Department of Physical Education will offer two sessions of a course on the Principles of Sailing to faculty, staff and students June 1 to 23 and June 29 to July 21. The classes are designed for the beginner, teaching the terminology, jargon and on-the-water practice of sailing.

The first session meets Tuesdays and Wednesdays, 5 to 7:30 p.m., beginning June 1 and ending June 23. Registration is Monday, May 24, 9 to 12:30 p.m. on a first come basis at Teagle Hall, Physical Education Office.

The second session also meets Tuesdays and Wednesdays from 5 to 7:30 p.m., beginning June 29 and ending July 21. Registration for the second session is Monday, June 28, during Summer Session walk-in registration in Barton Hall.

Lectures are on campus and sailing sessions on Cayuga Lake. The instructor for all sailing courses is Lawrence Bart, head coach of sailing. Further questions can be answered at registration.

Registration Open For Fitness Class

Anyone interested in joining a fitness and conditioning class should contact the Teagle Hall Athletic Office, 256-4286.

According to instructor Nancy Cool, cost for 35 sessions is \$20. The class will run from 12:10 to 1 p.m. Monday, Wednesday and Friday, May 24-Aug. 27.

Cool advises that those who are interested should check with their doctor before starting the program.

Professor-at-Large Will Give Lecture

Pierre-Gilles de Gennes, an Andrew D. White Professor-at-Large at Cornell University, will give a public lecture on "Micromulsions: An Unusual State of Matter," at 4:40 p.m. Thursday, May 27, in 119 Baker Laboratory.

De Gennes, director of Ecole Supérieure de Physique et de Chimie Industrielles in Paris, France, will be in residence at Cornell May 25 through 28.

Also a professor at the College de France, de Gennes is a leader in French theoretical physics. He has worked in the fields of magnetism, superconductivity, macromolecules, liquid crystals and superfluid Helium 3.

He is the author of numerous scientific articles, as well as books on superconductivity, liquid crystals, and a volume published by the Cornell University Press on polymers. While at Cornell his office will be 210 Baker Laboratory (6-5080). Messages can be left for him with Susan Martin, 206 Baker Laboratory (256-3363).

Parking Applications Mailed Last Week

Parking permit applications and vehicle registration forms for staff and faculty members were mailed last week and must be returned to the Traffic Bureau, 116 Maple Ave., by Friday, May 28.

This deadline applies to all staff

and faculty members of the community according to Sally Van Etten, Traffic Bureau supervisor. Late applications will be processed last and may not be honored due to space limitations in most permit categories, she said.

Persons who wish to register their vehicles without obtaining a parking permit may do so by the form they receive in the mail. Any community member who drives or parks a vehicle on campus at any time day or night must register that vehicle. A registration sticker does not provide any parking privileges. Registration is free.

Registration stickers and parking permits will not be issued to an individual who has unpaid or otherwise uncleared parking fines from the current year or previous years.

Persons who do not receive the application materials in the campus mail but who drive or park a vehicle on campus at any time should call the Traffic Bureau at 256-4600 for information and application forms.

Bottle Bill, Alternative Will Be Discussed

The Cornell Public Interest Research Group will sponsor a discussion of the proposed New York state bottle bill and the total litter control programs at 7:30 p.m. today in the Unitarian Church at the corner of Aurora and Buffalo streets.

New York State Sen. William Smith will speak in favor of his TLC bill. Attorney J. Henry Neale Jr., former president and member of the Environmental Planning Lobby in Albany, will argue for the deposit law, or bottle bill. Moderator for the discussion will be Edwina Devereux, former president and member of the League of Women Voters.

Both bills are expected to reach votes in the state Assembly later this month. The TLC bill would fund summer litter patrols of state parks and roads and would establish a commission to study the potential for increased recycling in the state.

The bottle bill would require a minimum 5 cent deposit on beer, soda, malt and mineral beverage containers in order to encourage increased refilling and recycling.

An Open Meeting With Joan Egner

The Cornell Women's Caucus and the Minority Faculty and Staff Forum will sponsor an open meeting with Joan Egner, recently appointed associate provost for equal opportunity, at 12:15 p.m. Tuesday May 18, in 200 ILR Conference Center.

Steam Shutdown Will Begin June 1

The annual campus-wide steam shutdown will start at 5 a.m. Tuesday, June 1, and continue through to 5 p.m. Thursday, June 3.

According to Thomas R. Brown, director of maintenance and service operations, the shutdown is essential for maintenance work on the steam distribution system and repairs at the Central Heating Plant.

He said, "We realize this may create a temporary inconvenience and, should you have questions or anticipate problems, please call our Customers Service Center at 256-5322."

SAGE CHAPEL

Lewis to Discuss 'Inner Affinity'

The Rev. W. Jack Lewis, director emeritus of Cornell United Religious Work, will speak at the 11 a.m. Sunday, May 16, Sage Chapel Interreligious Convocation. His sermon topic will be "Inner Affinity."

Lewis was named director emeritus of CURW in May 1981 by the Cornell Board of Trustees. He came to Cornell in 1964 as associate director of CURW. He was named director in 1965. Before coming to Cornell he served 13 years as founder-director of the Christian Faith and Life Community in Austin, Texas. A native Texan, he was ordained in 1940 as a minister in the Presbyterian Church. He received a bachelor's degree in zoology and chemistry from the University of Texas in 1937, then attended the Austin Presbyterian Theological Seminary.

In 1960 Lewis participated in the World Council of Churches Consultation on Evangelism at Bossey, near Geneva, Switzerland. In 1951 he spent three months investigating Lay-Training Centers in Britain and on the continent of Europe. In 1956 he was a leader of the Study Chalet for students from Southeast Asia under the auspices of the World Student Christian Federation.

Organ music for the convocation will be played by Donald R. M. Paterson, university organist. There will be no choir.

The May 16 service will be the last in Sage Chapel for the spring semester. Summer services will be held on Sundays, July 4-Aug. 8.

Plantations Photos At Mann Library

Photographs of the three components of Cornell Plantations — the natural areas, the botanical gardens and the recently-expanded arboretum — are on display in the main lobby of Mann Library through the month of May. Free maps, which are available at the exhibit, show the locations of more than 30 gardens, trails, wooded areas and collections under the care of Cornell Plantations.

College Teaching Course Offered

A two-credit course, "Improvement of College Teaching," will be offered from June 7-11. It is designed for both faculty and graduate assistants teaching in post-secondary institutions.

Organizers of the course say it will include concepts of teaching, learning, curriculum and governance used to guide practical activities designed to enhance faculty competence.

Further information on the course can be obtained by calling 256-2207, the Department of Education.

Robert L. Dwelle

Robert L. Dwelle, retired lecturer in landscape architecture at Cornell University, died in Albuquerque March 27, 1982. A memorial service was conducted on March 30.

From 1962 to 1981, Dwelle was in the department of floriculture and ornamental horticulture in the State College of Agriculture and Life Sciences. He retired to New Mexico in July 1981. Before he came to Cornell he was employed as a landscape architect and horti-

culturist by the United States government in the Panama Canal Zone from 1940 to 1952. He had a private landscape architecture practice in Caracas, Venezuela where he designed and developed landscapes for residential properties, hotels and institutions from 1952 to 1962.

At Cornell, Dwelle taught courses in introduction to landscape architecture and residential property landscape design.