

Cornell Chronicle

Volume 14, Number 22

Thursday, March 3, 1983



A caravan of Cornell's COCORP trucks 'bumps' along a northern California road, uncovering the seismic mysteries of the American West.

COCORP Unearths Mysteries Without 'Unearthing'

Cornell's Seismic Explorers Profile the Continental Crust

By Roger Segelken

Proceeding more slowly than the wagon trains that opened the American West, a caravan of highly specialized trucks is beginning to "uncover" the mysteries of this planet's great unexplored frontier, the deep basement of the continental crust.

Information returning from as much as 40 kilometers below the Earth's surface is helping geologists trace the often-violent past of the drifting-fragmenting-colliding continents, to locate potential, present-day mineral and energy resources and

perhaps to predict the geologic future.

The technique for this effort to probe far into the third dimension of the continent is called seismic reflection profiling, a means heavily used at depths accessible to drilling by the petroleum exploration industry.

The first systematic attempt to produce a cross-country profile of the North American continental crust is being conducted by COCORP, the Consortium for Continental Reflection Profiling, which is based at Cornell University and which is

supported by the National Science Foundation.

From a tentative beginning in 1975, COCORP has demonstrated that probing the structure of the deep continental crust can yield significant results. Seismic profiles produced in about a dozen widely separated by geologically intriguing areas of the U.S. now total about 4,000 kilometers and, if added together, would equal one traverse of the continent.

Wherever COCORP has operated, its findings have caused geologic concepts to be reevaluated, and the success of the

technique is stimulating similar efforts in Canada, Australia, West Germany, the United Kingdom, France, the Soviet Union and China.

Seeking the "Full Story"

"The great discoveries in plate tectonics were made, primarily, on the basis of information from the ocean basins," says Jack Oliver, the Irving Porter Church Professor of Geological Sciences at Cornell and one of the founders of COCORP in referring to the widely-held theory that accounts for the movement

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Rhodes Critical of Draft/Financial Aid Coupling

Writes Education Secretary Suggesting Alternatives for Enforcement

President Frank Rhodes has written to U.S. Secretary of Education Terrel H. Bell criticizing both the new law that couples draft registration with financial aid and the proposed regulations for enforcing it.

Rhodes also offers an alternative arrangement for implementing the recently-enacted law that requires a student receiving federal financial aid to be registered with Selective Service. The proposed regulations call for the student's institution to verify his registration before providing federal aid.

In his Feb. 28 letter to Bell, Rhodes wrote: "I personally regret the coupling of draft registration with eligibility for feder-

al student financial aid on the grounds that it is an inappropriate linkage of two federal programs established for very different purposes...."

Rhodes went on to say that while court tests of the law go on, "we must accept the validity of the statute and consider what specific regulations should be adopted for its implementation."

He told Bell that "I believe the proposed new regulations impose very serious burdens upon the administration of college financial aid programs. No other federal program requires the recipient to prove his eligibility before obtaining assistance."

"Rather, other programs are based on an

individual's statement of eligibility. If this proves to be false, the applicant faces the consequences. Regulations for student financial aid should treat individuals no differently."

Rhodes proposes that necessary verification of draft registration be done after financial aid funds are disbursed by an agency "outside the academic institution."

These alternatives "would meet the requirements of the legislation,...reduce administrative delays and burdens that institutions would face, and would relieve them of a policing responsibility which had no educational bearing," Rhodes said.

The proposed rule requiring schools to

verify student draft registration before awarding aid is "perhaps the most troublesome aspect of the proposed regulations," he said.

The proposed regulation indicates that proof of registration would be expected to come to the school from Selective Service within 90 days of a student's initial registration and within two weeks for someone who had registered earlier.

But, Rhodes noted, during Congressional debate on the issue, Selective Service "indicated that it takes an average of 90 days for the Selective Service system to process

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Contemporary Music Festival Focuses on Witold Lutoslawski

The university's Festival of Contemporary Music March 8-13 will focus on the internationally noted composer Witold Lutoslawski, who will be at the university for concerts, a lecture, master class and seminars in honor of his 70th birthday.

At 8:15 p.m. Tuesday, March 8, Lutoslawski will attend a concert in Barnes Hall of works by Cornell graduate composers Byron Adams, Donald Campfield, Fred Cohen, David Conte, Mark Laporta, Janice Macaulay and Andrew Waggoner. The Tuesday concert is open to the public free of charge.

On Wednesday afternoon Lutoslawski will conduct a master class for Cornell composition students, and Thursday morning he will take part with Professor Steven



WITOLD LUTOSLAWSKI

Stucky in an analysis seminar. Attendance at these two events is by invitation. Stucky is author of a book published in 1981 by Cambridge University Press, "Lutoslawski and His Music."

At 4:30 p.m. Thursday, March 10, in Goldwin Smith's Kaufmann Auditorium, Lutoslawski will express his "Thoughts on the Future of Music" in a free public lecture.

As a featured work of their Thursday evening concert at 8:15 p.m. in Barnes Hall, the Audubon Quartet of Virginia Polytechnic Institute and State University will play Lutoslawski's only String Quartet, dated 1964. There will be an open demonstration-discussion that day in Barnes from 2 to 3 p.m. by the composer and quartet. The free concert will include Mozart's Quartet in D minor, K. 421 and Shostakovich's Quartet No. 8 in C minor.

A special birthday concert is planned for 8:15 p.m. Friday, March 11, in Barnes Hall, with the free program to consist of chamber music written by Lutoslawski between 1954 and 1981. Among the highlights are the first performance in the United States of a piece for cello and piano with the title descriptive of the tempo, Grave, played by cellist Lynden Cranham and pianist Mary Ann Covert. Other guest artists are the Syracuse Society for New Music, soprano Neva Pilgrim and oboist Peter Hedrick. The conductor is Edward Murray.

Lutoslawski was born in Warsaw Jan. 25, 1913, into a family of distinguished scholars, artists and politicians. As a child he studied piano and violin, and at 15 began study of composition with Witold Maliszewski. He was educated at Warsaw University and the Warsaw Conservatory. At the start of World War II he served in the Polish army. Taken prisoner by the Germans, he escaped, made his way to Warsaw and survived the war years playing du-piano arrangements in cafes and afterward by writing music for children, radio, etc. The Stalinist years found him out of favor in Communist Poland because of his progressive style. Finally in 1954, starting with his Concerto for Orchestra, he began to emerge as his country's leading composer and soon earned an international reputation.

Stucky explains that, "Artistic independence and the fact that he never compromised himself during Poland's politically difficult years have combined to make Lutoslawski as much a figure of moral authority to the present generation of Polish composers as Szymanowski was to an earlier generation."

The festival week continues Saturday, March 12, with a free concert of video art and tape music from 2 to 5 p.m. at the Johnson Museum of Art.



A sampling from the works and biography of Vladimir Nabokov is displayed through the end of the month in 27 cases in Olin Library. The exhibit includes rare editions of Nabokov's publications, his letters to Morris Bishop, Nabokov's lepidopteral publications and some of the butterflies he collected, labelled and donated to the Comstock Hall Insect Collection. The exhibit, mounted by Marilyn Kann, Slavic studies librarian, is in conjunction with the Nabokov Festival here this semester.

Novelist White First Nabokov Festival Speaker

A young American writer whose first novel drew high praise from Vladimir Nabokov will be the first speaker in the university's Nabokov Festival.

Edmund White will lecture on "Nabokov: The Passionate Artist" at 4:30 p.m. Wednesday, March 16, at the A.D. White House.

White, 43, produced the first of his three novels, "Forgetting Elena," in 1973. Nabokov cited the sophisticated mystery story as the American novel he most admired.

Nabokov, who died in 1977, wrote his

best-known novel, "Lolita," while a member of the Cornell faculty from 1948 to 1958. He is being honored here this semester by a program that includes speakers, a film series and an Olin Library exhibition.

White's novels have continued to draw high praise from other well-known authors. Gore Vidal called "Nocturnes for the King of Naples" "a Baroque invention of quite startling brilliance and intensity." Susan Sontag praised "A Boy's Own Story" for its "pungent observation, wonderful language and convincing sensuality."

White's one book of social commentary, "States of Desire: Travels in Gay America," was compared by William Burroughs

to de Tocqueville's classic work on America.

Paul Russell, a Cornell graduate student in English writing his dissertation on Nabokov, said "The reasons for Nabokov's appreciation of White's work are apparent. (Both) employ a language that is at once precise and passionate. A strong, even painful consciousness of the twin demands of beauty and morality inform the art of both men."

Next speaker in the Nabokov Festival will be Russian novelist, poet and scholar Nina Berberova. She will lecture on "Nabokov's British Ancestry: Nabokov's Readings, 1910-1930" at 4:30 p.m. March 22 at the A.D. White House.

Cornell Chronicle

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Jobs

The following job openings are new this week. For information on vacant positions listed in previous issues of the Chronicle, contact Personnel Staffing Services, 130 Day Hall. Cornell is an affirmative action employer.

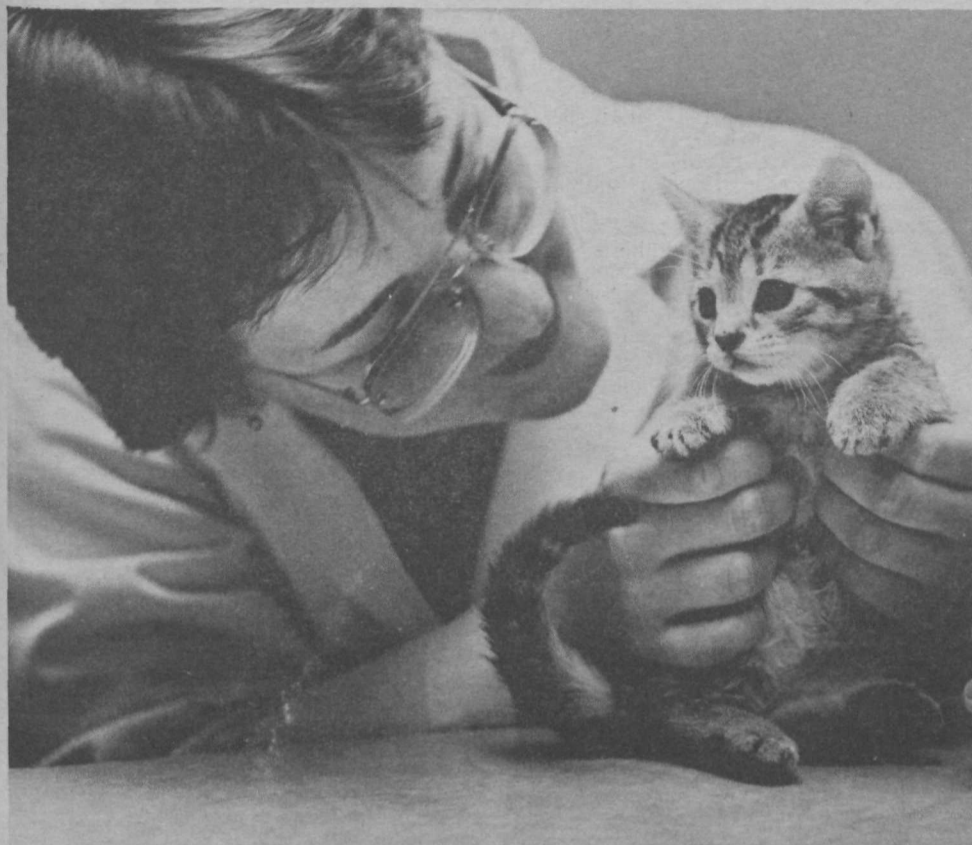
NOTICE TO ALL APPLICANTS

Job Opportunities will publish vacancy announcements on a limited basis until further notice.

Staffing Services will continue to accept employment applications and employee transfer requests. However, these items will be processed only after individuals with official University Layoff Status are given preferential consideration.

Administrative/Professional
Coop Coordinator (Cornell Dining)
Budget Analyst II (Veterinary Administration)
Systems Programmer II (Chemistry)
Applications Programmer I (Sociology)
Academic
Lecturer, ESL (Modern Languages and Linguistics)

The Job Opportunities list is mailed to all Cornell departments. In addition, it is posted in the following places: Day Hall Information Desk, second floor lobby; at the Circulation and Reference Desks of all university libraries; in the Map and Newspaper Section, Olin Library; all college and technical libraries; Roberts Hall Post Office substation and in the Upper Activities corridor, Willard Straight Hall.



At the Small Animal Clinic in the College of Veterinary Medicine, it sometimes appears that only the hairdresser knows for sure. At right, a poodle has its medical history taken by senior student Gail Abells, and at left a small feline patient is admired by graduate student Cheryl Stoddart.

Safety Puts Emphasis on Prevention in Sector Plan

The old adage about the relative merits of prevention and cure is being put to a practical application in Cornell's Department Of Public Safety.

The department plans to increase its crime prevention program, as part of a reorganized campus protection effort that has divided the area into four sectors. This increased emphasis on crime prevention is a look to proactive law enforcement which attempts to prevent crime before it happens rather than reacting to it after there is a victim.

The investigative function which had

previously been centralized has now been moved into the individual sectors, where it will be done by patrol officers, according to Captain Daniel N. Murphy.

He said the shift is designed to recognize the greater contribution to the well being of the campus community of a stronger preventive effort, while still maintaining an active investigative arm.

The division of the campus into sectors will mean that the same officers will be doing a broad range of law enforcement work within the sector to which they are assigned, Murphy said, and a great em-

phasis will be placed on the crime prevention aspect of police work.

"Basically, what we're doing is going back to the old concept of the neighborhood cop," Murphy said. "We've come full cycle in this respect."

What the new system is designed to accomplish, he said is that officers will develop as law enforcement generalists rather than being limited as specialists who are called upon only as needed.

"Studies have shown," he said, "that the uniformed officer, who is usually the first to respond to a call for service, has a

greater chance for follow-up success in an investigation than someone else who is called in later."

Another factor involved in the change, he said, is that law enforcement groups have found that to be successful they can't do it alone. "They need the support and cooperation of the communities they serve. The sector approach should increase community involvement and cooperation, and should produce stronger personal relationships between the officers and the neighborhoods they serve."

\$90,000 Mellon Gift to Develop 'Common Learning'

Cornell has received a \$90,000 grant from the Andrew W. Mellon Foundation to develop "common learning courses" intended to help undergraduates synthesize knowledge in order to enhance their understanding of complex contemporary issues and problems.

The Mellon grant will support a two-year pilot program of development and introduction of "up to six innovative courses designed to help students analyze problems in an integrated, interdisciplinary context," according to Larry I. Palmer, vice provost at Cornell. The first course offerings will be in 1983-84.

In a letter to John E. Sawyer, president of the Mellon Foundation, Cornell Presi-

dent Frank Rhodes thanked the foundation for its "sensitive response" to this "most ambitious undertaking."

The idea for a common learning program at Cornell grew out of a 1982 conference here: "A Cornell Perspective on Common Learning."

Major features envisioned for the program are the pilot courses for juniors and seniors, establishment of a Presidential Commission on Common Learning and development of a series of faculty seminars to prepare the teachers of the common learning courses.

The pilot courses, designed to attract undergraduates from all Cornell colleges, will often be taught as small seminars,

Palmer said.

He explained that the seminars "will enable students to enhance basic skills, acquire limited expertise in a variety of disciplines, and demonstrate their ability to synthesize knowledge — thus satisfying the working definition of a common learning course."

Palmer said that if the two-year pilot program is successful, the university plans to increase the number of common learning courses so they will be available to all Cornell upperclassmen.

The Presidential Commission on Common Learning will be composed of senior faculty who have made known their belief in common learning, he said. It will help

identify and recruit teachers for the pilot program, examine the pilot courses to ensure their breadth and to avoid duplication of existing courses, develop course evaluations, and advance the common learning concept.

Each of the pilot common learning courses will be led by a single faculty member, Palmer said, but because of their interdisciplinary nature, the courses will be prepared on a collaborative basis.

Specialists from at least four disciplines will take part in a faculty seminar during the summer before a course is taught, he said. The same specialists may participate in the course at times during the semester.

Dean Book Collection Contest Deadline Will Be April 11

Will a student in the State College of Agriculture and Life Sciences win the 1983 Arthur H. Dean and Mary Marden Dean Book Collection Contest, making it the third straight time an "aggie" has won the campus-wide undergraduate competition?

All entries must be submitted at the Uris Library reference desk by 10 a.m., Monday, April 11. Contest details are available at the Uris reference desk during library hours.

In 1981, Mason Weinrich, then a junior majoring in neurobiology and animal behavior, took the first prize worth \$250 in the biennial event. His collection, which he had

been developing since he was 7 years old, was on "Whales, Dolphins & Porpoises."

And in 1979, the top prize went to an agriculture student for a collection on "British Biology in the Nineteenth Century." Up to that time the seven first prize winners had all been from the College of Arts and Sciences.

Other winning collections in the past have been on such subjects as practical magic, calligraphy, Chinese history and German neo-Marxist esthetics, to name but a few.

Cash prizes are: first, \$250; second, \$175;

third, \$100, and three honorable mentions worth \$50 each.

The collection, which may include paperbacks, may be on any subject but entries must be limited to from 35 to 50 titles. The judges base their decisions on imagination, ingenuity, taste and discrimination.

The winners will be announced at a reception Friday, April 22, in the President Andrew D. White Library in Uris Library.

Judges for the contest will be Esther G. Dotson, associate professor of art history, John S. Henderson, associate professor of anthropology, and Dan C. Hazen, Latin

American librarian, Olin Library.

Dean and his wife conceived the contest and have provided the prize money since the first one was held in 1966.

A 1923 graduate of the Law School, Dean is a former chairman of the Cornell University Board of Trustees and is a Presidential Councillor.

He gained international prominence in the 1950s and 1960s as a diplomatic negotiator for the United States, including serving as chairman of the U.S. delegation to the 18-Nation Disarmament Conference (1962).

Calendar

All items for publication in the Calendar section, except for Seminar notices, must be submitted (typewritten, double-spaced) 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 WILL BE STRICTLY ENFORCED.

*—Admission charged.

Announcements

Weigh Station

Want to lose excess holiday lbs? Want to lose more? Get down to the real you, more alive and energetic. Come to the Weigh Station at Barton Hall each Thursday from 12 noon to 1 p.m. For more information call Jan Gibbs at 257-0853.

Graduate Student Organizations

\$25,000 for Graduate Student Organizations is being allocated on March 5th. Call Lois McManus at 256-3665 for details.

Agriculture Day

Ag Pac is sponsoring Agriculture Day in Willard Straight Memorial Room on Monday, Mar. 7 from 9 a.m.-4 p.m. Free and open to the community.

AL-ANON

Al-Anon offers confidential group support for friends and relatives of people with drinking problems. Meets every Thursday evening, 8:15-9:15 p.m., in Founders Room, Anabel Taylor Hall. Next meeting, March 3. No dues or fee.

Intramural Badminton (Men, Women, Co-ed)

Doubles

Deadline on entries is Mon. Mar. 7 at 4 p.m. in the Intramural Office, located in Helen Newman Hall. Play will probably start on Mon. April 4 in Barton Hall. Monday through Thursday evenings. Straight elimination tournament. You do not have a choice of times. Two to enter. \$2 entry fee per team due with your roster. Checks only payable to Dept. of Phys. Ed. & Ath., Intra. Div. Intramural Softball Slow Pitch (Men, Women, Co-ed)

Deadline on entries is Thurs. Mar. 10 at 4 p.m. in the Intramural Office, Helen Newman Hall. Play starts Mon., Apr. 4 on Jessup Field. Minimum of 12 to enter. Co-ed equal number of men and women. Please specify your preferred day of play (1st, 2nd, 3rd choice) Mon. through Fri., starting at 4:30 p.m. 4 or 5 banks of games an evening. \$10 forfeit per team due with your roster. Checks only, payable to Dept. of Phys. Ed. & Ath., Intra. Div. Postdate checks May 11, 1983. If you do not forfeit any of your regularly scheduled games, we will void your check at the end of the softball season.

Dance

Wednesday

Mar. 9, 7:30-10:45 p.m. Straight Memorial Room. International Folk Dancing; teaching 7:30-8:30 p.m., requests 8:30-10:45 p.m. Beginners and dancers at all levels welcome.

Every Thursday

Anabel Taylor One World Room, 8 p.m. 8-9 p.m. teaching, 9-11 p.m. requests. Beginners through advanced. Everyone welcome.

Every Sunday

Willard Straight North Room, 7:30 p.m. 7:30-8:30 p.m. teaching, 8:30-10:45 p.m. requests. Beginners and dancers at all levels welcome. Cornell International Folk Dancers.

Exhibits

Olin Library Vladimir Nabokov: his correspondence, photographs, first editions, but-terflies. Through March 29.

Uris Library Puppets and marionettes and their theatres. Through March 23.

Herbert F. Johnson Museum "The Blue Four" through March 6. "Jazz" by Henri Matisse, through March 6. Museum hours: 10 a.m.-5 p.m., Tuesday through Sunday.

Laboratory of Ornithology "The Shorebirds of North America." An exhibit by accomplished bird artist Robert Verity Clem. These 29 opaque watercolors were used to illustrate the book "The Shorebirds of North America." Prints of



This clay sculpture, La Tolita, Ecuador, is part of the permanent collection at the Herbert F. Johnson Museum of Art. The sculpture was a gift to the museum from Margaret and Tessim Zorach.

his works are for sale at the Laboratory for \$20. Exhibit runs through April. Laboratory hours: Monday through Thursday, 8 a.m.-5 p.m., Friday, 9 a.m.-4 p.m., Saturday and Sunday, 10 a.m.-5 p.m. Laboratory is located at 159 Sapsucker Woods Road.

Films

Unless otherwise noted films are under sponsorship of Cornell Cinema.

Thursday

Mar. 3, 8 p.m. Uris Hall Auditorium. "AuCoeur de L'Orange" directed by Le Chaois. Free. The Filmmaker will be present at the screening.

Friday

Mar. 4, 9:30 p.m. *Uris Hall Auditorium. "Bad Timing" (1980), directed by Nicholas Roeg, with Art Garfunkel, Theresa Russell, Harvey Keitel.

Friday & Saturday

Mar. 4 & 5, midnight *Uris Hall Auditorium. "Death Race 2000" (1975), directed by Paul Bartel, with David Carradine.

Saturday

Mar. 5, 8 p.m. Risley Music Room. Risley Free Film Series: "Wages of Fear." Free and open to the community.

Mar. 5, 7 p.m. *Uris Hall Auditorium. "Bad Timing."

Mar. 5, 9:30 p.m. *Uris Hall Auditorium. "We All Loved Each Other So Much," (1977), directed by Ettore Scola, With Nino Manfredi, Vittorio Gassman, Stefania Sandrelli.

Sunday

Mar. 6, 2 p.m. *Uris Hall Auditorium. "Dr. Dolittle" (1967), directed by Richard Fleischer, with Rex Harrison, Anthony Newley. Co-sponsored by Ithaca Youth Bureau.

Mar. 6, 8 p.m. *Uris Hall Auditorium. "Son of the Sheik" (1926), directed by George Fitzmaurice, with Rudolph Valentino, Vilma Bankly.

Monday

Mar. 7, 7 p.m. *Uris Hall Auditorium. "The Day the Earth Caught Fire" (1962, directed by Val Guest, with Janet Munro, Leo McKern. Co-sponsored by Physics and Government Departments.

Mar. 7, 9 p.m. *Uris Hall Auditorium. "The Threepenny Opera" (1931), directed by G.W. Pabst, with Lotte Lenya. Limited to Film Club members only.

Tuesday

Mar. 8, 4:30 p.m. Rockefeller D. Southeast Asia Free Film Series: "Tongpa." Film show the everyday realities of the life of Tongpany, his wife and children, and his struggle to keep his family alive after having lost his land when a smaller dam had been built some years before.

Mar. 8, 8 p.m. *Uris Hall Auditorium. "Reporters" (1981), directed by Raymond Depardon, with Richard Gere, Jean Luc Godard, Catherine

Deneuve. Shown with: "The Photographer."

Wednesday

Mar. 9, 7 p.m. Ives 120. BBC Nature Film Festival; "Flower from Flames" and "The Mouse's Tail." Sponsored by Summer Session, Extramural Courses, and Related Programs. Followed by a special course: "Beyond Natural History," led by Drs. Eisner and Walcott.

Mar. 9, 8 p.m. *Uris Hall Auditorium. "Scarlet Street" (1945), directed by Fritz Land, with Edward G. Robinson, Joan Bennett.

Thursday

Mar. 10, 8 p.m. Uris Hall Auditorium. "Todos Santos Cuchumatán: Report from a Guatemalan Village" and "The BrickMakers." Sponsored by Committee on US Latin American Relations. Free and open to the community.

Friday

Mar. 11, 8 p.m. *Statler Auditorium. "Das Boot" (1982), directed by Wolfgang Petersen, with Jurgen Prochnow, Herbert Gronemeyer.

Mar. 11, 10 p.m. *Uris Hall Auditorium. "Wasn't That a Time?" (1980), directed by Jim Brown, with The Weavers, Holly Near. Co-sponsored by Cornell Folk Song Club. Bill Steele will play after the film.

Mar. 11, 11:15 p.m. *Statler Auditorium. "The Secret Policeman's Other Ball" (1982), directed by Julian Temple, with Monty Python, Peter Cook, Peter Townsend.

Saturday

Mar. 12, 7 p.m. *Uris Hall Auditorium. "Wasn't That a Time?"

Mar. 12, 8 p.m. Risley Music Room. Risley Free Film Series: "Brief Encounter." Free and open to the community.

Mar. 12, 9 p.m. *Uris Hall Auditorium. "Das Boot" (1982).

Mar. 12, 12 mid. *Uris Hall Auditorium. "The Secret Policeman's Other Ball" (1982).

Sunday

Mar. 13, 3 p.m. *Uris Hall Auditorium. "Island of the Blue Dolphins" (1964), directed by James B. Clark, with Celia Kaye, Old Yeller, Jr. Co-sponsored by Ithaca Youth Bureau.

Mar. 13, 8 p.m. *Uris Hall Auditorium. "Beau Geste" (1939), directed by William Wellman, with Gary Cooper, Ray Milland. Co-sponsored by Near Eastern Studies.

Lectures

Thursday

Mar. 3, 12:20 p.m. 102 West Ave. Southeast Asia Program brown-bag seminar: "Ethnicity in Malaysia: Meaning and Measurement," Charles Hirschman, Professor of Sociology and Asian Studies. He is also affiliated with Cornell's International Population Program. Bring your lunch; coffee and cookies provided.

Mar. 3, 4:30 p.m. Goldwin Smith Hollis Cornell Auditorium. Messenger Lecture Series: "Rhetoric and Esthetics," Paul de Man. "Kent and Schiller." Part V.

Mar. 3, 7:30 p.m. Stimson G-1. Jordani: Natural History Society: "Shore Bird Mating Systems," Brian McCaffery.

Friday

Mar. 4, 4 p.m. Goldwin Smith 120. Classics Discussion Group: "Myth and Politics in Bacchylides' Ode to Pthias of Aegina," Dolores O'Higgins.

Mar. 4, 4:30 p.m. Goldwin Smith Hollis Cornell Auditorium. Messenger Lecture Series: "Rhetoric and Esthetics," Paul de Man. Part VI: "Conclusions."

Saturday

Mar. 5, 7:30 p.m. Robert Purcell Union, 2nd Floor Lounge. "Success, Is It Really What You Think It Is?" Eddie Cross, a specialist in young and young adult counseling within the black community. Sponsored by Campus Crusade for Christ.

Monday

Mar. 7, 4:30 p.m. Uris Hall 202. James H. Becker Alumni/ae Memorial Lecture: "Soviet Justice: Is Gorky Park Right," Louise Shelley, Assistant Professor, School of Justice, American University, Washington, D.C. Co-sponsored by Department of Russian Literature and Committee on Soviet Studies.

Mar. 7, 7:30 p.m. Anabel Taylor One World Room. America and World Community: "Micro-Perspectives of World Community Influence of Sex Roles," Andrea Eggleston, Lecturer in Family Studies.

Mar. 7, 7:30 p.m. Gannett Health Center, Moore Library. "Sex Role Stereotyping," Dr. Inge Broverman, Ph.D., Director of Psychological Service, University of Mass. Medical Center, Sponsored by Women in Health Careers.

Tuesday

Mar. 8, 4:30 p.m. Goldwin Smith 124. "French

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Song in the 1430s: A New Source," Professor David Fallows, Manchester University and Visiting Professor at the University of North Carolina at Chapel Hill. Sponsored by Philomela, GAFC, Dept. of Music, and Dept. of Romance Studies.

Wednesday

Mar. 9, 7 p.m. Ives 120. BBC Nature Film Festival: "Flower from Flames" and "The Mouse's Tail." Followed by a discussion seminar led by Drs. Walcott and Eisner. Sponsored by Div. of Summer Session, Extramural Courses, and Related Programs.

Mar. 9, 7:30 p.m. Anabel Taylor One World Room. America and World Community: "Micro-Perspectives of World Community (Influence of Sex Roles)" Andrea Eggleston, Lecturer in Family Studies.

Thursday

Mar. 10, 12:20 p.m. 102 West Ave. Southeast Asia Program brown-bag seminar: "New Issues in Asian Agriculture," Dr. Theodore Smith, Agricultural Development Council, NY. Bring your lunch, coffee and cookies provided.

Mar. 10, 4:30 p.m. Telluride House, 217 West Ave. "On Censorship; Staying Power," Mary Lydon, Fellow, Society for the Humanities. Sponsored by Telluride House.

Mar. 10, 4:30 p.m. Goldwin Smith 225. Renaissance Colloquium: "Jean Fernel and the Renaissance Language of Life," James Bono, Post-doctoral Fellow, History.

Mar. 10, 7:30 p.m. Stimson G-1. Jordani: Natural History Society: "A Question of Identity—the Call of the Blackcapped Chickadee," Steve Nowicki.

Friday

Mar. 11, 3:30 p.m. Ives 110. "Contributions of Psychology to Interdisciplinary Semantics," Ragnar Rommetveit, Professor of Psychology, University of Oslo, and A.D. White Professor-at-Large. Public lecture.

Music

Piano Recital, Chamber Music

A piano recital and a program of chamber music comprise the Barnes Hall concerts Friday and Saturday. Both are free and open to the public.

At 8:15 p.m. Friday, Stuart Foster will present his senior recital. He will play Charles Griffes' Roman Sketches, Opus 7; Beethoven's Sonata in C minor, Opus 110; and Mussorgsky's musical Pictures at an Exhibition. Foster is studying piano at the university with Professor Malcolm Bilson.

At 8:15 p.m. Saturday, the chamber music recital will feature works of Joseph Haydn and Clementi. The performers are Rebecca Harris-Warwick, flute; Mimmi Fulmer, soprano; Lynden Cranham, cello; and Katalin Komlos, fortepiano. The concert consists of four short piano trios: G Major, D Major and F Major, Hoboken XV: 15, 16, 17 by Haydn; and C Major, "La Chasse," by Clementi. Fulmer and Komlos will perform Haydn's solo cantata "Arianna a Naxos." The group will use 18th century instruments or copies.

Harris-Warwick, who came to Ithaca from Stanford University, teaches in the community. Fulmer, a voice teacher at Ithaca College, is active locally with the Ithaca Opera. Cranham lived in England and performed in Europe before moving to Ithaca last fall. Komlos, on leave from her faculty post at Liszt Academy of Music in Budapest, Hungary, will soon complete her doctoral studies at Cornell.

Marches to Highlight Concert Sunday

Marches, old and new, will highlight the concert which the Cornell Symphonic Band will play at 4 p.m. Sunday, March 6, in Bailey Hall. Sponsored by the music department, the concert is free and open to the public.

Under the baton of Professor Marice Stith, the Symphonic Band will open the program with two festive pieces by Vaclav Nelhybel: a concert march entitled "High Plains" and Festivo, followed by Incantation and Dance by John Barnes Chance and Imperato Overture by Claude T. Smith.

In the second half of the concert, the 130-member student ensemble will play marches arranged for symphonic band, including William Schaefer's arrangement of three English marches by Joseph Haydn: Derbyshire Cavalry Marches No. 1 and 2 and the March for the Prince of Wales, Robert Russell Bennett's arrangement of The Regent's March by Richard Rodgers, and



Pianist Andre Watts will perform in concert at 8:15 p.m. Monday, March 7, in Bailey Hall. Tickets for the concert are on sale at the Lincoln Hall ticket office, telephone 256-5144. Watts will perform works of Johann Sebastian Bach, Franz Schubert, Claude Debussy and Franz Liszt.

Keith Brion's edition of March Collegiate by Charles Ives. Stith and the Cornell Symphonic Band will close their Sunday concert with Tchaikovsky's 1812 Overture, arranged by Mayhew Lake. The next Cornell band concert will be by the Wind Ensemble Sunday, March 13, and the combined bands will appear in Bailey Hall on May 1.

Chorale Tours with Orchestra

The Cornell Chorale is on a concert tour this week with the New Haven Symphony Orchestra, giving three performances of Beethoven's "Missa Solemnis" under the baton of New Haven conductor Murry Sidlin. They took part in the first performance by the New Haven Symphony of the Missa at the Orchestra's hall Tuesday as part of the Symphony's 1982-83 concert series. This evening, they will appear on the University of Connecticut concert series at Storrs. A Saturday afternoon performance at Alice Tully Hall in New York's Lincoln Center is being sponsored by The Beethoven Society.

Among the soloists are soprano Susan Davenny Wyner, 1965 Cornell honors graduate in music and member of the Arts College Council. Others are alto Jan DeGaetani, tenor Seth McCoy and baritone Leslie Gwynn. Conductor Sidlin is in his sixth year as music director of the New Haven Symphony. The Cornell Chorale, whose director is Professor Thomas A. Sokol, is made up of 85 singers from all areas of the university community, a cross section ranging from freshmen to emeritus professor.

Friday
Mar. 4, 8 p.m. *Statler Auditorium. Ithaca Opera Association (Barbara Troxell, Stage Director; Ed Murray, Music Director) performs "Don Pasquale" by Gaetano Donizetti.
Mar. 4, 8:15 p.m. Barnes Hall. Student Recital: Stuart Foster, piano. Works of Griffes, Beethoven, Mussorgsky.

Saturday
Mar. 5, 8:15 p.m. Barnes Hall. Chamber Music: Kati Komlos, fortepiano; Mimmi Palmer, mezzo-soprano; Rebecca W. Harris, flute; Lynden Cranham, cello. Works of Haydn, Clementi.
Mar. 5, 8:30 p.m. *Alpha Delta Phi Fraternity, 777 Stewart Ave. Parking entrance on University Ave. Cayuga Chamber Orchestra Gala Fundraising Ball. Theme: "In the Mood," featuring music and film from the '30s and '40s. Joe McConnell's Band will play Goodman, Dorsey, and Miller; Fred Kahn will provide his unique style of singing; Ragtime music can be heard between breaks; "Broadway Melody of 1948" will be projected throughout the evening. Ted

Lowi will be the M.C. Tickets available at Straight Ticket Office, I.C. Egbert Union, Logos, Rhodes, and Community Corners Convenient Food Mart.

Sunday

Mar. 6, 2 p.m. *Statler Auditorium. Ithaca Opera Association performs "Don Pasquale" by Gaetano Donizetti.

Mar. 6, 4 p.m. Bailey Hall. Cornell Symphonic Band conducted by Marice Stith. Works of Nelhybel, Chance, Rodgers, Ives, Tchaikowsky, others.

Religious Activities

Monday

Mar. 7, 7:30 p.m. Anabel Taylor G-34. Hillel class: "Women and Judaism."

Tuesday

Mar. 8, 7:30 p.m. Anabel Taylor G-34. Hillel class: "Yiddish."

Wednesday

Mar. 9, 7:30 p.m. Anabel Taylor G-34. Hillel class: "Basic Judaism."

Religious Services

Friday

Mar. 4, 5:30 p.m. Anabel Taylor Chapel. Shabbat Services (Reform).

Mar. 4, 5:30 p.m. Anabel Taylor Founders Room. Shabbat Services (Conservative/Egalitarian).

Saturday

Mar. 5, 9:15 a.m. Anabel Taylor Edwards Room. Orthodox Services.

Mar. 5, 10 a.m. Anabel Taylor Founders Room. Conservative/Egalitarian Services.

Sunday

Mar. 6, 11 a.m. Sage Chapel. Sage Chapel Services: Kathleen Finney, Minister, United Church of Christ.

Mar. 6, 11:15 a.m. Anabel Taylor Chapel. Protestant Cooperative Ministry Student Service: Dennis Frazier, Graduate student, Chairperson; Holy Communion.

Sunday

Mar. 13, 11 a.m. Sage Chapel. Sage Chapel Services: Matthew Fox, O.P., Director, Institute in Creation-Centered Spirituality, Mundelein College, Chicago.

Mar. 13, 11:15 a.m. Anabel Taylor Chapel. Protestant Cooperative Ministry Services: Ingrid Olsen-Tjensvold, Assistant Director, C.U.R.W.

Baptist

Every Sunday, Ithaca Baptist Church, 1825 Slaterville Road; 9:45 a.m. Bible Study; 11 a.m. Worship Service; 6 p.m. Discipleship Training; 7 p.m. Worship Service.

Catholic

Every Mon.-Fri., 12:15 p.m. Catholic Mass, Anabel Taylor G-19. Every Sat., 5 p.m. Mass, Anabel Taylor Chapel. Every Sun. 9:30, 11 a.m. and 5 p.m. Mass, Anabel Taylor Auditorium. Sacrament of Reconciliation by appointment.

Christian Science

Every Thurs., 7 p.m. Anabel Taylor Founders Room. Every Sun. 10:30 a.m. First Church of Christ, Scientist, Univ. Ave. at Cascadilla Park.

Episcopal

Every Sun., 9:30 a.m. Anabel Taylor Chapel.

Friends (Quakers)

Every Sun. 9:45 a.m. Anabel Taylor Edwards Room. 9:45 a.m. adult discussion; 11 a.m. meeting for worship.

Jewish

Call Hillel Office, 256-4227 for exact times and locations.

Lutheran

Every Sun. 10:45 a.m. Lutheran Church, Oak Ave. at College Ave.

Muslim

Every Mon.-Thurs., 1 p.m. Anabel Taylor 218; Every Fri., 1 p.m. Anabel Taylor Edwards Room.

Protestant

Every Sun., 11:15 a.m. Anabel Taylor Chapel.

Seminars

Agriculture and Life Sciences: A two-part seminar on "Just Because the Economy's in a Slump Doesn't Mean You Have To Be: How to Find A Job in 1983." The first seminar will be held at 10:10 a.m. Thursday, March 3, in 201 Warren Hall. Bill Alberta, Center for Career Planning CALS, and Tom Devlin from the Career Center will speak. On Friday, March 4, at 3:15 p.m. in 32 Warren Hall, several faculty members in the Department of Ag. Economics will speak.
Agronomy: "Interactions of Silicon Acetylacetonate Complexes with Smectites"

Charles G. Manos, 4 p.m. Tuesday, March 8, 135 Emerson Hall.

Applied Mathematics/Operations Research: "Some Applications of Number Theory to Probability Theory," Gregory Freinam, Tel Aviv University, 4 p.m. Friday, March 4, 165 Olin.

Atomic & Solid State Physics: Solid State Seminar: "Localization and Interaction Effects in Two- and Three-Dimension Systems," David J. Bishop, Bell Laboratories, 4:30 p.m. Tuesday, March 8, 700 Clark Hall.

Atomic & Solid State Physics: Theory Seminar: "Local Magnetization in Transition Metals," John Samson, 1:15 p.m. Thursday, March 10, 701 Clark Hall.

Atomic & Solid State Physics: Theory Seminar: "One-Dimensional Spin Glass with Long-Range Interactions," B. Gabriel Kotliar, Princeton University, 1:15 p.m. Thursday, March 3, 701 Clark Hall.

Biochemistry: "Glycoprotein Synthesis and Embryonic Development," W. Lennare, The Johns Hopkins University Medical School, 4:30 p.m. Friday, March 4, 204 Stocking.

Biochemistry: "Conformation and Molecular Biology of Insulin and Insulin-related Growth Factors," S. Bedarkar, 12:20 p.m. Monday, March 7, 125 Riley Robb.

Chemical Engineering: "Molecular Orientation in Monolayers on Liquids," Barbara J. Kinzig, Naval Research Laboratory, 4:15 p.m. Wednesday, March 9, 145(A) Olin.

China-Japan Program: "Opportunities in Teaching and the Public Sector," Carol King, specialist in teaching English as a second language, John Long, U.S. Mission to the United Nations, Lee Travers, University of Michigan, 4:30 p.m. Friday, March 4, West Lounge, Statler Hall.

Cornell Education Society: "Tropical Field Ecology," Art Stark, 4:20 p.m. Monday, March 7, Stone Hall Lounge.

Ecology and Systematics: "Ecology and Biogeochemistry of Sphagnum bogs," Eville Gorham, University of Minnesota, 3 p.m. Thursday, March 3, Morison Seminar Room, Corson Hall. Cosponsored by the Ecosystems Research Center.

Ecology and Systematics: "Tropical Species Diversity," John Terborgh, Princeton University, 3 p.m. Monday, March 7, 37 Plant Science. Terborgh will also speak on "Convergence of Ecosystems," at 12:20 p.m. Tuesday, March 8, in the Whittaker Room, A409 Corson Hall, and on "Ecological Significance of Body Size in New World Primates," at 4:30 p.m. Wednesday, March 9, in the Morison Seminar Room, Corson Hall.

Floriculture and Ornamental Horticulture: "Foliage Plant Production in Hawaii," Fred Rauch, University of Hawaii, 12:15 p.m. Thursday, March 3, 37 Plant Science.

Fluid Mechanics: "Non-linear Convection in Porous Media," P.H. Steen, 1 p.m. Tuesday, March 8, 111 Upson Hall.

Geological Sciences: Title to be announced, Marcia McNutt, MIT, 4 p.m. Tuesday, March 8, 205 Thurston Hall.

Immunology: "Role of the Major Histocompatibility Complex in Immunity to Multicellular Parasites," Donald L. Wassom, 12:15 p.m. Friday, March 4, G-3 Vet. Research Tower.

Materials Science and Engineering: "New Developments in Electronic Ceramics," Gilbert Chin, Bell Laboratories, 4:30 p.m. Thursday, March 3, 140 Bard Hall.

Mechanical and Aerospace Engineering: "Impact of Technological Change on Unemployment," Grier Lin, University of New South Wales, 4:30 p.m. Tuesday, March 8, 282 Grumman.

Neurobiology and Behavior: "Courtship and Spawning in the Pipefish Corythichthys," Ann Thresher, 12:30 p.m. Thursday, March 3, Morison Lecture Hall, Seeley G. Mudd Hall.

Organic/Organometallic Chemistry: "Synthesis of Trichothecene Mycotoxins," William Roush, MIT, 8:15 p.m. Monday, March 7, 119 Baker Lab.

Natural Resources: "The Serial Discontinuity of Lotic Ecosystems," J.V. Ward, 4 p.m. Thursday, March 3, 304 Fernow Hall.

Ornithology: "A Natural History Gardens for the Finger Lakes?—A Proposal," Robert Beck and Ronald Schassburger, Natural History Society of the Finger Lakes Region, Inc., 7:45 p.m. Monday, March 7, Stuart Observatory, Sapsucker Woods.

Personnel Services: "Resume Writing and Cover Letters," Tom Devlin, Career Center, 12:15 p.m. Tuesday, March 8, 202 Uris Hall.

Plant Biology: "The Use of Intraspecific Floral Variation as a Tool for the Study of Floral Morphology," Elizabeth Lord, University of California at Riverside, 11:15 a.m. Friday, March 4, 404 Plant Science.

Plant Breeding: "Resistance to the Disease Elicited by Watermelon Mosaic Virus-2 in Cucurbita spp.," Javier Gonzalez-Ramos, 12:20 p.m. Tuesday, March 8, 135 Emerson Hall.

Plant Pathology: "Cross Protection as a Possible Means for Control of Papaya Ringspot Virus," S.D. Yeh, 4:30 p.m. Tuesday, March 8, 404 Plant Science.

Plant Pathology: "Some Biological Properties of Viruses Containing Viroid-like RNA," Richard I.B. Francki, Waite Institute, Adelaide, Australia, 2 p.m. Tuesday, March 3, 404 Plant Science.

Plant Pathology: "Comparative Structure and Function of Viroids and Virusoids," Robert H. Symons, University of Adelaide, Australia, 2 p.m. Friday, March 4, 404 Plant Science.

Pomology: "Effect of EDTA & CA on Growth and Development of Berries of Thompson Seedless Grape," Thilak Sabbaiah, 11:15 a.m. Monday, March 7, 114 Plant Science Building.

Poultry and Avian Sciences: "Zinc Metabolism and the Involvement of Metallothionein, a Singularly Unique Inducible Zinc-Binding Polypeptide," Charles C. McCormick, 4:30 p.m. Thursday, March 3, 300 Rice Hall.

Psychology: "Vocal Epigenesis in Cowbirds: A Joint Endeavor by Males and Females," Meredith West, University of North Carolina at Chapel Hill, 3:30 p.m. Friday, March 4, 202 Uris Hall.

Remote Sensing: "Geologic Investigations of the Moon Via Satellite," Constance G. Andre, Smithsonian Institution, 4:30 p.m. Wednesday, March 9, B14 Hollister Hall.

Physiology-Endocrinology: "Growth and Puberty Onset," Judy Ramaley, SUNY Albany, 4:30 p.m. Wednesday, March 9, 348 Morrison Hall.

Statistics: "Intersection-Union Tests: Some Theory and Applications," Roger Berger, North Carolina State University, 3:30 p.m. Wednesday, March 9, 105 ILR Conference Center.

Status of Women Committee: "Interviewing for Academic Positions," a panel discussion for women graduate students with professors Barbara Bedford, ecology and systematics; Laura Brown, English; Joan Egner, associate provost; Olan Forker, agricultural economics; Isaac Kramnick, government; and Anne Shlay, consumer economics and housing, 4:30 p.m. Thursday, March 10, 202 Uris Hall.

Toxicology: "Toxicology of Death: Answering Questions and Questioning Answers," Jeanne Beno, Forensic Toxicology Office of the Medical Examiner, Monroe County, 12:20 p.m. Friday, March 4, 100 Savage Hall.

Vegetable Crops: "Microclimate Studies and Revelations about Potato Pest Management," R. VanVranken, 4:30 p.m. Thursday, March 3, 404 Plant Science.

Vegetable Crops: "Plastic Tunnels and Mulches for Early Peppers," Peter Kohn, 4:30 p.m. Thursday, March 10, 404 Plant Science.

Sports

Friday

Mar. 4, p.m. Helen Newman. Women's Basketball Princeton.

Saturday

Mar. 5, All day Barton Hall. Men's Fencing-IFA Championships.

Mar. 5, 8 p.m. Helen Newman. Women's Basketball Pennsylvania.

Mar. 5, 8:15 p.m. Oxley Polo Arena. Men's Polo-Texas A & M.

Sunday

Mar. 6, all day Barton Hall. Men's Fencing-IFA Championships.

Saturday

Mar. 12, 9 a.m. Helen Newman. Women's Bowling-Columbia "300" Classic.

Sunday

Mar. 13, 9 a.m. Helen Newman. Women's Bowling-Columbia "300" Classic.

Theater

Thurs. through Sat.

Mar. 3-5, 8:15 p.m. "Straight Theatre. "Measure for Measure" by William Shakespeare. A Theatre Cornell production.

Sunday

Mar. 6, 2:30 p.m. "Straight Theatre. "Measure for Measure" by William Shakespeare. A Theatre Cornell production.

Thurs. through Sat.

Mar. 10-12, 8:15 p.m. "Straight Theatre. "Measure for Measure" by William Shakespeare. A Theatre Cornell production.

Mar. 10-12, 8:15 p.m. "Lincoln Drummond Studio. "The Imaginary Invalid" by Moliere. Translated by Morris Bishop. Cornell.

Rhodes on Aid/Registration

Continued from Page 1

a typical, initial registration."

He called the problem of temporary verification by affidavit "even more complicated and burdensome."

"These requirements alone would force schools...to create a tracking system and to assume an enforcement role far beyond any presently in place," he said. "There is the risk...of delaying for months the delivery of financial aid to students who do register."

"The confusion surrounding the implementation of this law," Rhodes said, could discourage some students from attending college, and some colleges may not give aid under the temporary verification by affidavit process because they are "sufficiently burdened with bureaucratic and administrative duties."

Congress intended the new law to minimize both the administrative burden on schools and the delays in providing aid,

according to Rhodes. "It is my opinion that the proposed regulations fail to capture (that) intent..."

"Even though the Department of Education indicates that its intention is to place the responsibility on the student for verifying compliance," Rhodes said, "it places the burden for tracking, monitoring, policing and processing on institutions."

He also pointed out problems with administering summer workstudy programs which would cross two fiscal years — one covered by the law, the other not. "Serious problems will be created," Rhodes said, if a person has to be terminated from workstudy coverage and contracts jeopardized.

Copies of the Rhodes letter to Bell also went to Edward Elmendorf, assistant secretary for postsecondary education, and Sheldon Steinbach, general counsel for the American Council on Education.

'Imaginary Invalid' on Stage

Theatre Cornell will present the Cornell premiere of the late Professor Emeritus Morris Bishop's translation of Moliere's "The Imaginary Invalid" at 8:15 p.m. Thursday, March 10, in Drummond Theatre.

One of Moliere's classic farces, "Invalid" is the tale of one man's hypochondria and physicians' chicanery; obstructed love and the subterfuge of servants. Bishop was the only American to translate the work and director Jonn Rainey, an MFA candidate at Cornell, says that of the seven translations he read, Bishop's was the most playable.

"Bishop best captured the natural language and spirit of Moliere," Rainey said. "Translation into English is only the first step in a work of this kind. Moliere wrote in both verse and the idiom of the times. Bishop, through the use of American idi-

omatic phrasing and expression captured the essence of the work as written by the master."

Bishop, born in 1893, was the Kappa Alpha Professor of Romance Literature here, and was internationally renowned man of letters—a poet, scholar, teacher, satirist, biographer and linguist. He began his 39 year career at Cornell in 1921 as an instructor. His book, "History of Cornell," was first published by the University Press in 1962. Bishop produced more than 400 published works including 16 books during his lifetime.

"Invalid" will run March 10-12, 17-19 and 24-26 at 8:15 p.m. with a 2:30 matinee on March 20. Tickets are available at the Theatre Cornell Box Office, lower floor of Willard Straight Hall. The Box Office telephone number is 256-5165.

Graduate Bulletin

The deadline for initial course registration/adding courses was Friday, Feb. 11. All students who are late in turning in these forms will be charged a \$10 late processing fee.

The final date for course change or drop without special processing fee of \$10 is Friday, March 18.

Graduate and Professional School Financial Aid statements (GAPSFAS) for 1983-84 are now available and must be filed with the Office of Financial Aid by March 15, 1983.

Graduate students are responsible for their monthly bursar bill. Payments or transactions which have not been processed or appear to be incorrect should be investigated immediately. Failure to resolve outstanding charges promptly may result in a finance charge on the unpaid balance. If your billing address is not correct, it should be updated at the Bursar's Office. Questions about the monthly statement should be directed to the Bursar's Office, 260 Day Hall or the Fellowship Office, 116 Sage Graduate Center.

Applications for 1983 Graduate School Summer Fellowships and 1983 Graduate School Summer Tuition Awards should be available in March. Details will be announced in this column soon.

Check the Fellowship Notebook at your graduate faculty representative's office for information on the awards whose deadlines follow.

April 1: Samuel Kress Fellowship — Academic year fellowship for study in the areas of Art History or Architecture. Applicants must be U.S. citizens and must be or become an individual professional member of ASOR. Applicants must also demonstrate the need and benefit of continuing research in Jerusalem. The fellowship carries a stipend of \$8,500 for the academic year and recipient must reside at the Albright Institute.

April 1: National Consumer Affairs Internship Program 1983 (Class II) — Applicants must have completed requirements for an undergraduate college degree and be candidates for a graduate degree, and be interested in consumer affairs. Interns receive a weekly stipend of \$125, reimbursement for travel expenses to and from the place of work and a \$200 relocation allowance.

Applicants must be nominated by a faculty member who is willing and able to arrange for internship credit and to serve as a faculty advisor.

April 1: National Potato Council Auxiliary — Applicants must be graduate students in advanced studies which would enhance the potato industry in fields such as agricultural engineering, agronomy, crop and soil sciences, entomology, food sciences, horticulture and plant pathology. Selection will be based on academic achievement, leadership abilities, and area of study. This is an honorary award of \$500.

April 1: The Assembly of New York State Summer Intern Program — This program is open to only New York State residents who are matriculated in a degree program for 1983-84. (College students who have completed their junior year by June 1983 are eligible to apply.) This is a very competitive program with 10-20 positions available each year, offering a stipend of \$2,000 each.

April 15: The United Nations Graduate Student Intern Programme — This internship program is for students studying in the area of government or public policy. There will be two programs available: The Graduate Student Intern Programme at UN Headquarters, New York, for four weeks and a Graduate Study Program at the United Nations Office in Geneva. Both programs will be conducted in English and in French.

Singapore, Malaysia, Thailand-1983-84 Fulbright Study Abroad Program — The USIA announces the availability of up to 10 grants in all fields of study. Applicants must have a bachelor's degree by the beginning date of the grant, and not hold a Ph.D. at the time of application. For information and applications, contact L.S. Kao in the Graduate Dean's Office. Campus deadline is March 10.

Judicial Administrator

Case Reports for December 1982

No. of Persons	Violation	Summary Decision
1	Failed to comply with a Safety officer at a traffic booth	WRITTEN REPRIMAND (WR), \$25.00 fine or 7½ hours of acceptable community service (hrs c/s)
1	Failed to comply with a Safety officer at a traffic booth	WR, \$25.00 fine or 7½ hrs c/s/\$10.00 or 3 hrs suspended
1	Altered a parking permit	WR
1	Failed to show I.D. when requested to do so by a Safety officer	WR, \$25.00 fine or 7½ hrs c/s
5	Pushed a junked vehicle in traffic	WR each
2	Alleged theft of food from Cornell Dining	Oral Warning
1	Theft of food from Cornell Dining	WR, \$20.00 fine or 6 hrs c/s, \$5.00 or 1½ hrs suspended
2	Threw food in Cornell Dining	Oral Warning
1	Refused to comply with a Co-op employee	WR, \$25.00 fine
1	Broke a wooden slat on a door	WR, 12 hrs c/s, restitution
1	Broke the rear windshield of a private vehicle	WR, 20 hrs c/s, restitution

People

Dr. Robert W. Kirk, professor of medicine in the Department of Clinical Sciences, has been named director of the Teaching Hospital at the College of Veterinary Medicine. The appointment was announced by Dr. Alexander deLahunta, chairman of the Department of Clinical Sciences. Dr. Kirk's new position carries with it complete responsibility for the operation and performance of the Teaching Hospital. Richard Rostowsky, as assistant dean for hospital administration, will continue to provide the administrative support for the Teaching Hospital as well as the other activities of the department. Dr. Kirk recently celebrated his 30th anniversary as a faculty member of the college. He has established a national reputation in veterinary medicine as well as veterinary dermatology and is the author and editor of numerous publications, including "Current Veterinary Therapy" and the "Handbook of Veterinary Procedures and Emergency Treatment."

Christian F. Otto, associate professor of architecture, has been awarded membership in the Institute of Advanced Study at Princeton (N.J.), where he will continue his studies on the 18th century German architect Balthazar Neumann. Otto, who has been on the faculty of the College of Architecture, Art and Planning since 1970, will be at the institute during the 1983-84 academic year while on sabbatical leave from Cornell. He teaches Baroque and 20th century architectural history and is graduate field representative for history of architecture and urban development. In 1979, Otto published "Space Into Light, the Churches of Balthazar Neumann," a history of Neumann's major ecclesiastical commissions. Since then he has extended his research to an examination of Neumann's palace designs.

Peter D. McClelland, has been elected professor of economics. McClelland received both his bachelor's and master's degrees from Queen's University, and his doctorate from Harvard University. Recognized as a leader in the field of American economic history, McClelland teaches courses in introductory macroeconomic theory, history of American enterprise, and American economic history.

John W. Wilkins, professor of physics in the Laboratory of Atomic and Solid State Physics, has been elected to Fellowship in the American Physical Society. A member of the Cornell faculty since 1964, Wilkins earned the Ph.D. in physics from the University of Illinois in 1963. He will be inducted as a fellow of the society in ceremonies at the APS Division of Condensed Matter Physics meeting in March in Los Angeles.

Lee T. Cartmill, director of accounting here since 1981 has been named assistant controller at the university. "This change in title gives appropriate recognition both to Lee's technical skills and his abilities as a manager," according to John S. Ostrom, university controller. Cartmill joined the staff as assistant to the director of accounting for the endowed Ithaca division in 1976. He was promoted to associate director in 1979 and to director in 1981. He came to Cornell after three years as a staff accountant with the public accounting firm of Coopers & Lybrand in Springfield, Mass.

Barton Blotter

A human skeleton valued at \$500 was taken last week from Roberts Hall, according to the morning reports of the Department of Public Safety for the week Feb. 21 through 27. It was one of 26 thefts reported on campus, totaling some \$3,449 in losses.

The largest single theft in terms of dollars was of a tape deck, receiver and two speakers valued at \$816, from a room in University Hall No. 4. Teagle and Barton Halls continued to be a favorite site for thieves. Among items reported missing were running shoes, \$33; wallet, \$25; check holder and cash \$59, and jacket and keys, \$55.

Other items stolen on campus included a \$100 bike; two ceiling covers for lights and five plants from Hughes Hall valued at \$125; a \$150 gold ring from Uris Library; a \$200 camera from the lounge at 525 Stewart Avenue, and a tool box and contents valued at \$140 from the Central Heating Plant.

Three persons were referred to the Judicial Administrator on charges of reckless endangerment, forging a parking permit and stealing a crew team oar.

From Signals Returning from Within Earth, Scientists Compute a Profile of Its Crust

Continued from Page 1

(or continental drift) over hundreds of millions of years of slabs of the Earth's surface.

"From extensive studies of the ocean floors since World War II we now know, for example, that a huge submarine ridge encircles the earth like stitching on a baseball.

"But many observations on the continents can't be explained by our present understanding of plate tectonics," Oliver continues. "Why do deep basins such as the Michigan Basin, exist? Why did a chunk of the Earth decide to subside

there? Or why has a part of the Earth - the basin and range province in the western U.S. - been pulled apart?

"We know that some ocean basins are closing, and that side effects of that process are responsible for the Appalachians and are still affecting places such as the western U.S., Alaska and China. Pieces of the ocean floor have been and continue to be pushed up on continents. Sediments, pieces of former continents, island arcs, and former submarine plateaus are being scraped off the ocean floor, pushed up on continents, and accreted to make new continental crust. We are learning that thin slices, and perhaps

thick chunks, are 'welded' onto the continents, sometimes after being jostled around to produce major deformation nearby.

"So far, though, the whole story of the continents doesn't fall out of the simple plate model. At least partly, that is because we don't know what happens in the deep crust. Is the deep crust brittle or ductile, does it break or does it stretch and flow? Perhaps it behaves differently in different places. What we need are new observations that will lead to new levels of understanding of the continents. The kinematics of the major plates - where they have been and what they've done - are fairly well understood. We still don't know the dynamics - the why - and we must learn about the secondary effects of plate motion that are critical in the formation of the Earth's features that we know and use to support our society."

On the Road Again

The work day for COCORP begins early, often before dawn, as five truck-mounted vibrators and a recording truck take up their positions along public highways or remote back roads. At a radio signal from the recording truck to the vibrators, which are spaced a few yards apart, hydraulically-actuated pads begin thumping the ground, sending seismic waves deep into the Earth. The synchronous waves first pass through the top sedimentary layers, the relatively thin veneer where petroleum prospectors use the same patented technique, known as Vibroseis, to seek and sometimes find oil and gas. Continuing downward, the waves travel through older, harder, crystalline rocks - the basement of the Earth's crust - and within seconds reach the Moho, the upper surface of the Earth's mantle. The signals continue for 20 seconds, changing in frequency in a predetermined pattern under the direction of the control center.

Echoes of the signals as they reflect off subsurface layers are collected by over 2,000 geophones - small, rugged seismometers buried a few inches beneath the topsoil in an array for several miles along the profile line - and relayed to the recording truck where the "chirps" are transformed into digital information on magnetic tape.

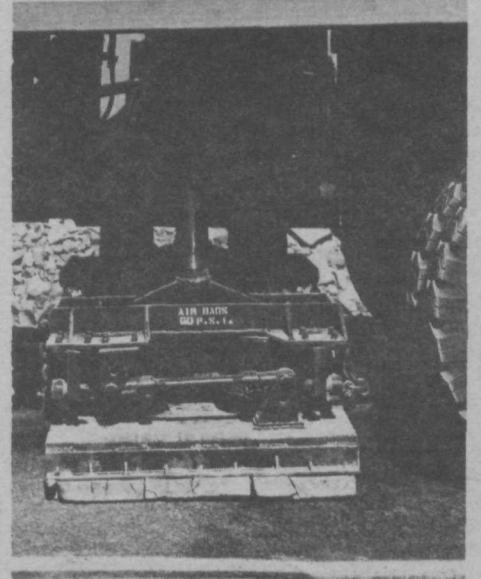
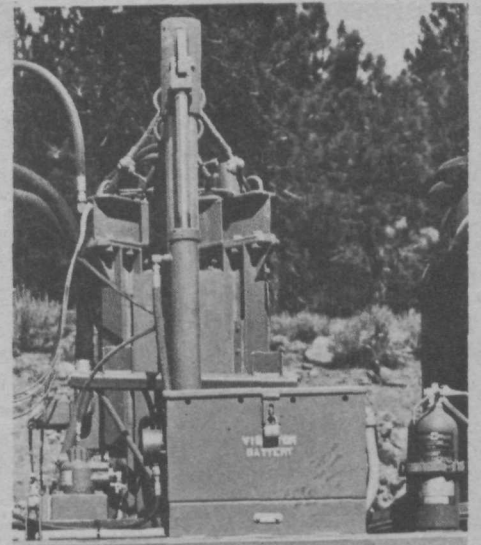
The vibrator trucks move a few feet ahead and the procedure is repeated. Between 2 and 10 kilometers of profiles usually can be obtained in one day.

Back in the Lab

Signals from repeated vibrator sweeps are summed in the field, but the bulk of the signal processing is accomplished in a sophisticated computer center in Ithaca. Using a seismic data processing system, which is called Megaseis and which includes a powerful array processor, signals corresponding to millions of deeply-penetrating rays are correlated. Signal-to-noise ratio is improved by the process of common depth point stacking, and a profile with recognizable features begins to emerge.

Interpreters look for strong reflectors, points at which the seismic signals were altered because of changes in density of the rock or of the velocity with which the signals traveled. These discontinuities show up as dark markings on a cross section composed of millions of dots and may indicate a different material, such as an igneous intrusion in older rock, or a different orientation, folded layers, for example, or a fault.

Exquisitely detailed as they are, the deep seismic profiles alone seldom tell the interpreters exactly what lies below the surface. The data are integrated with other kinds of geophysical information on particular areas, such as gravity, magnetic and conductivity readings and surface



Vibrator pads under the trucks are the source of thumps into the continental crust—thumps that bounce back.

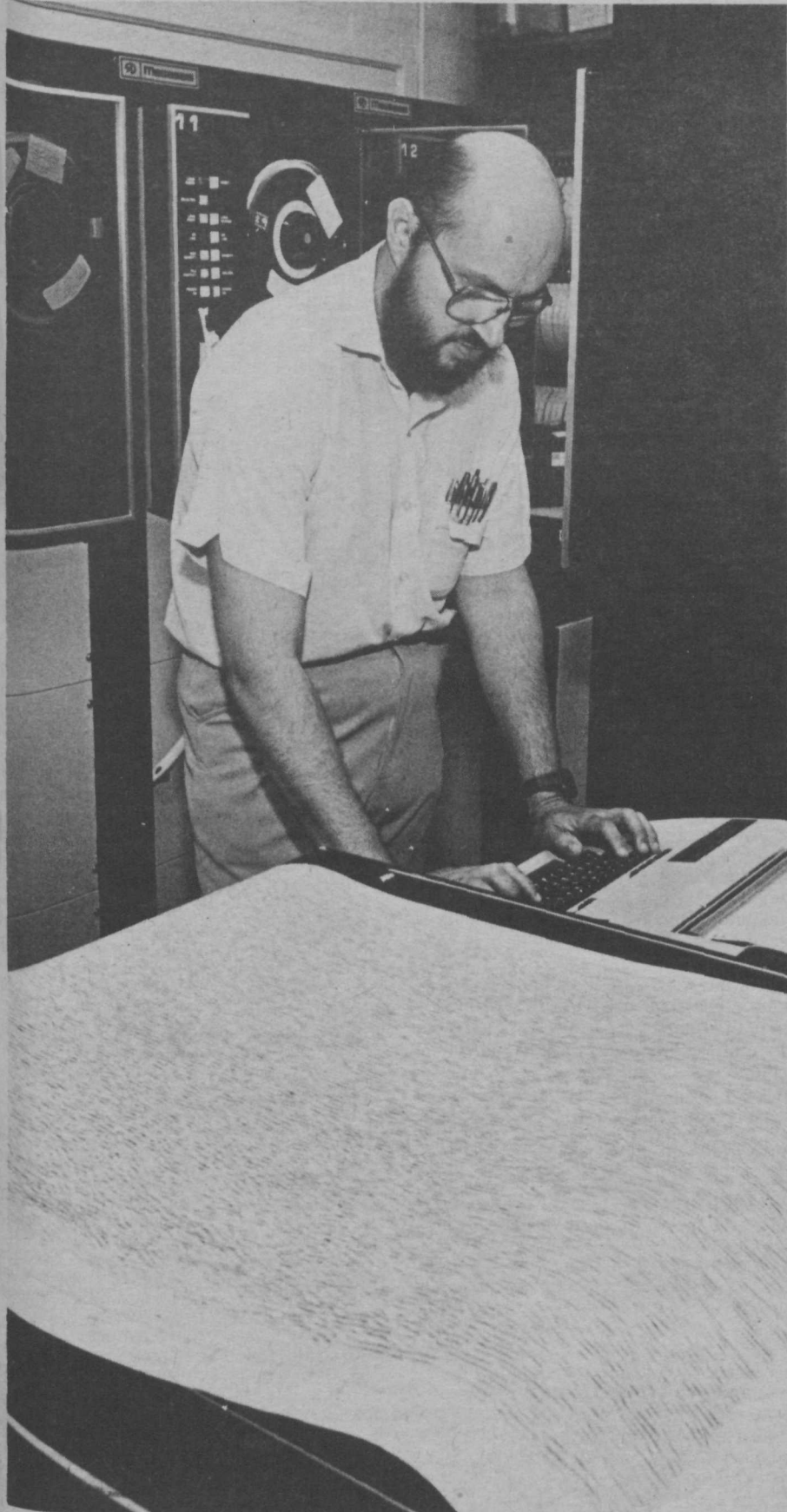
geological data — plus plenty of standard geological reasoning, to produce a profile that can stretch for hundreds of kilometers. And of course the interpreters don't always agree.

The National Science Foundation funds the COCORP program at about \$3 million a year, and processed data are made available at cost to researchers in industry, government and other educational institutions. A site selection committee, made up of scientists from across the country, reviews proposals for future profiles and recommends sites which promise interesting geologic problems of crustal scale. The consortium's technical advisory committee reviews data collection and processing procedures and recommends new ones.

The Results

COCORP's most spectacular finding to date has been the discovery of younger sedimentary rocks buried under some 18 kilometers of older crystalline rock that constitutes the southern Appalachians. For those interested in petroleum exploration, a vast area of hidden sedimentary rock suggests a new, if somewhat inaccessible, source of oil and gas deposits. But the implication for geologists concerned with the history of the continent is even more exciting. Rock from the ocean crust seems to have been transported in a thin sheet, beginning about 475 million years ago, for at least 260 kilometers over the eastern continental margin of what was to become North America. Similar displacements found more recently by COCORP in parts of New England and the Adirondack Mountains of New York have established in the minds of many geologists the idea of thin-skinned thrusting as a mechanism of continent-building in

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Signals collected in the field by COCORP are turned into seismic profiles (foreground) with the Megaseis system, operated here by Computer Supervisor Thomas Szebenyi.

Brief Reports

Norwegian Psychologist To Lecture Here March 11

Norwegian psychologist Ragnar Rommetveit will give a public lecture on the subject "Contributions of Psychology to a Truly Interdisciplinary Semantics," at 3:30 p.m. Friday, March 11, Room 110 Ives Hall.

One of the University's Andrew D. White Professors-at-Large, Rommetveit will be on campus March 6 through 26 and will hold office hours at the Department of Psychology in Uris Hall, telephone 256-3934.

In addition to his public lecture, Rommetveit will give an informal colloquium in the Department of Sociology, will present a lecture in linguistics professor Joseph Grimes' class on discourse and will meet informally with students and faculty.

Rommetveit is considered one of the leading psychologists in Norway and Europe, and has been a leader in psycholinguistics after the high point of Chomskyan influence. Born in Stord, Norway, he received his doctorate in public defense at the University of Oslo and taught psychology there for a number of years. Before becoming director of the Institute of Psychology at the University of Oslo in 1965, Rommetveit spent a year at Cornell as visiting professor and contributed to the program in psycholinguistics and social psychology.

International Management Seminar Scheduled March 10

Gordon Lippitt of the School of Government and Business Administration at George Washington University will conduct an all-day seminar from 9 a.m. to 5 p.m. Thursday, March 10, at the Holiday Inn of Ithaca, sponsored by the Ithaca chapter of the International Management Council.

Cornell faculty and staff members may attend the seminar, which is open to the community. Information on registration and costs is available from Grace Saatman, Program in International Agriculture, 6-3035.

Applicants Needed For Graduate Post

The Office of the Dean of Students is looking for a part-time graduate assistant for fraternities and sororities.

The graduate assistant will advise the Interfraternity Council, Panhellenic Council and individual chapters as well as provide assistance for the assistant dean of students for fraternities and sororities.

Interested persons should submit a resume with a covering letter and provide the names of two references. Deadline for applications is March 16.

For further information call the Office of the Dean of Students, 103 Barnes Hall, 256-4131.

Resume Writing Is Seminar Focus

Employees who would like assistance in putting together a resume are invited to attend the first 1983 seminar in the "Cornell Careers" Spring series 12:15-1:15 p.m. Tuesday, March 8, in 202 Uris Hall.

Tom Devlin, director of the Career Center, will lead the discussion and offer suggestions on how to present one's self best through resumes and cover letters. Employees will have the opportunity to review the basic essentials of a resume and cover letter, and to discuss some of the myths surrounding these critical documents. Employees will also be able to discuss how their resume can attract the attention of employing departments and how it can best present their qualifications. The next "Cornell Careers" seminar on

April 12 will focus on interviewing skills and techniques. Employees considering a job or career change are encouraged to attend. For more information, call Staff Relations & Training, 6-7400.

Three Are Elected To Student Assembly

In a recent election to fill vacancies on the Student Assembly, Louie Tobias '85 was elected to an engineering seat while Anthony D. Miles '84 and Jeffrey G. Jackson '83 were both elected to minority-at-large seats. The term for all three will end in May.

German, English Essays Eligible for Goethe Prize

Juniors, seniors and graduate students may submit 10 to 20-page essays, in German or English to compete for the 1983 Goethe Prize.

The prize is awarded annually for the best essay on any topic connected with German literature. A first prize of up to \$250, and possibly a second prize, will be awarded, according to the Department of German Literature.

Essays should be written under an assumed name, but the author should indicate class status. A sealed envelope, revealing the author's real name, along with the essay - one per student is due by noon, April 15, at the Office of the Dean of Faculty, 315 Day Hall.

Questions should be directed to either Peter W. Nutting at 180 Goldwin Smith Hall (6-3932) or to the departmental office, 185 Goldwin Smith.

The Goethe Prize was endowed in 1935 by Ludwig Vogelstein.

The Week in Sports

Fencing Tops Weekend Schedule

As the winter sports season draws near the end, there is a limited home schedule for Big Red athletic teams this weekend. The women's basketball team will have two games at home to finish out its season, and the men's polo team takes on Texas A&M Saturday. The big sporting event on campus, however, will be fencing, as Cornell serves as the host for the Intercollegiate Fencing Association Championships Saturday and Sunday.

The IFA championships begin Saturday morning and run through Sunday afternoon, with both days' action taking place in Barton Hall. Some of the finest male fencers in the East will gather in Ithaca as 11 teams compete for the team championship. Returning to defend the overall team title is the University of Pennsylvania, which also won the epee and sabre competitions. MIT won the championship in the other event, foil. The other teams competing in the tournament are Cornell, CCNY, Columbia, Howard, Navy, NYU, Princeton, St. John's and Yale.

The sabre team competition will be held Saturday, beginning at 9 a.m., and the foil team event follows right after, starting at noon and continuing through to 5 p.m. The epee competition for teams will take place at 9 a.m. Sunday. The individual winners for each of the three events will be decided beginning at 2 p.m. Sunday.

The women's basketball team ends its most successful campaign since 1978-79 by entertaining Princeton on Friday and Pennsylvania Saturday. Both games will start at 8 p.m. and will be played at Helen Newman Hall. The women cagers are now 10-14 overall and 2-8 in the Ivy League, and will be trying to set a team record for most wins

Memorial Fund Set For Heating Supervisor

The Employee Assembly in conjunction with the employees at the Central Heating Plant are establishing a memorial fund in memory of Floyd Fields, maintenance supervisor, who lost his life last year when he entered a partly-filled ash silo to assist a co-worker in trouble.

The funds will be used to purchase and install a memorial plaque in the heating plant. Those interested in contributing to the fund should send checks made payable to Cornell University to Marisue Bishop, 165 Day Hall. It would be appreciated if donations could reach Bishop by March 31.

Vegetarian Meal Planning Is Seminar Topic

University Health Services will sponsor a seminar on vegetarian meal planning 10 a.m. to 2 p.m. Saturday, March 12. Enrollment is open to all members of the Cornell community and those interested should call the Health Education office at 256-4782 to register. Registration deadline is Monday, March 7. A registration fee of \$5 will be collected in advance of the program.

At the seminar, participants will be presented with information on protein complementation, menu planning, vitamin needs and consumer shopping tips. Participants will prepare several vegetarian dishes that will be sampled during the seminar luncheon.

SAGE CHAPEL

King Ferry Pastor Will Speak Sunday

The Rev. Kathleen Finney, pastor of the Presbyterian Church in King Ferry will speak at the Sage Chapel service at 11 a.m. Sunday, March 6. Her sermon topic will be "Blessed are the Passionate."

Finney was ordained in the United Church of Christ. She is a graduate of Mount Holyoke College and Yale Divinity School and served as chaplain at Randolph-Macon Women's College and Hollins College in Virginia.

Music for the service will be provided by the Sage Chapel Choir under the direction of Donald R.M. Paterson, university organist and Sage Chapel choirmaster. Glenn Burdette serves as graduate assistant and accompanist.

Vietnamese Survival In U.S. to Be Discussed

"Ethics in Education; Teaching Vietnamese Refugees How to Survive in America," will be the focus of a discussion with Deane Rink, a former peace activist who teaches English and job-hunting basics to Vietnamese in Los Angeles, and Nancy Koschmann, coordinator of education and multicultural programs at Noyes Center at 4:30 p.m. Wednesday, March 9, in the Temple of Zeus, Goldwin Smith Hall.

The discussion will be sponsored by the office of the Dean of Students, the International Student Office, the Southeast Asia Refugee Committee, the Cornell Peace Council and the Theatre of Ideas.

The discussion is free and open to the public.

COCORP

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North America and elsewhere around the globe.

Among other information derived from COCORP surveys:

—the configuration of a magma body in the crust some 20 kilometers below New Mexico's Rio Grande Rift;

—the explanation of the Wind River uplift in Wyoming as caused by horizontal compression of the crust;

—details of the midcontinent geophysical anomaly, a huge Precambrian rift, through Kansas and Michigan;

—location of a deep depositional basin in the crust southwest of Oklahoma's Wichita Mountains and documentation of the thrusting of Wichita Mountains over the Anadarko Basin to the northeast; and

—the tracing of major faults from the surface to depths of at least 25 kilometers in several parts of the U.S.

The Future

At the present rate, it will be years before the single COCORP crew can complete the surveys now proposed in the United States, but planners have already sketched lines of interest across the rest of North, Central and South America as well as Europe, Asia, Africa and Australia in a sort of geologists' dream map. It is estimated that 10 programs the size of COCORP, operating for 10 years, could survey as much as 100,000 kilometers of profiles. The total cost of such a survey to all the nations involved would be about \$50 million a year. Even such a large effort would represent only about 1 percent of the seismic survey work now being conducted by seismic crews in search of petroleum. And if the precedent set by exploration of all previous frontiers prevails humanity will benefit in unexpected and abundant ways from deep seismic profiling of the basement of the continents.