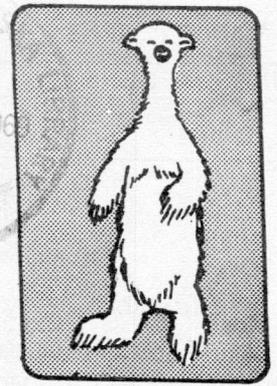


nanook news

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UNIVERSITY OF ALASKA



UA GEOPHYSICISTS TO CORRELATE WORLDWIDE MAGNETIC STORM DATA: NSF \$120,000 GRANT WILL FUND STUDY HEADED BY DR. SHYUN AKASOFU

Physicists at the UA will scrutinize magnetic records from observatories around the world to analyze the mechanics of intense geomagnetic storms.

Such storms disrupt short wave radio communications, play hob with orbiting satellites, postpone or shorten manned space flights, and even send the northern lights as far south as Louisiana.

Dr. Shyun Akasofu, the project's principal investigator, says geomagnetic storms are the result of eruptions on the sun which send streams of charged particles racing out toward the planets at speeds of more than 300 miles per second.

"Geomagnetic storms take place when the particles reach earth and interact with our magnetic field and upper atmosphere," he said. "Communications disruptions and spectacular auroral displays are only two manifestations of the storms."

Akasofu hopes to develop an atom-by-atom account of the events taking place in the upper atmosphere and near space during the storms with the aid of a \$120,000 National Science Foundation grant and the help of his two graduate assistants, Koji Kawasaki and Paul Perreault.

The sun is cooperating too.

"For the next two years the sun will be in a period of maximum activity," Akasofu said, "and we can expect at least one intense storm each month." During the less active segments of the sun's 11-year cycle, intense storms are scarce. "Normally we see one a year," he said.

The Geophysical Institute research project is one of many studying various physical aspects of the earth-sun relationship. Scientists around the world are cooperating in the projects, similar in nature to the International Geophysical Year of a decade ago. To circumvent political bound-

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UNIVERSITY CONCERT BAND, CHOIR SCHEDULE PERFORMANCE FOR TUESDAY

The University of Alaska's Concert Band and Choir of the North will join forces Tuesday night to present a combined concert at 8 p.m. in the Patty Gym.

Nearly 130 UA students will take part in the performance which will be open to the public.

Directed by Duane Mikow, the Concert Band will play a selection of modern and light classical works. Among them: Rossini's "March for the Sultan Abdul Medjid," Ives' "Variations on America," and Russell's "Theme and Fantasia."

Charles Davis, head of UA's music department, will direct the 50-voice Choir of the North in a demonstration of "Choir Power." The nationally recognized group will sing a variety of songs, ranging from hymns to classical pieces to Broadway show tunes.

Their repertoire includes "The Brazilian Psalm" by Berger, two chorales by Creston, and selected works of Rodgers and Hammerstein, Gershwin, and Leigh and Warnick who composed "The Man of La Mancha."

MELANGE NOOK

Assembled by Dean Wariner

WE KNEW better, but when we spelled udder with two "t's" recently in describing the anatomy of a cow, it brought the house down. All of the farm boys from here to Ketchikan rose to test their wit and make the correction. A suggestion to prevent such errors in the future was submitted by HULDAH B. SAMUELSON, home economics agent at Anchorage. She advocates "more ag classes on campus."

FRANK BROWN, head of personnel, reminds us that faculty and staff on nine-month contracts must make their own arrangements to continue health insurance payments during the summer or during leave periods. He says arrangements can be made through the Payroll Office. The university does not pay for health coverage when an employe is on leave or in between contract dates.

WE TRIED to find someone in the Department of News Services to try the office copy machine self-portrait technique but all we got were hisses and boos for being juvenile. Anyway it's the latest stunt at *Life* magazine. You lay your cheek on the glass, close your eyes, press the button, and out comes a crazy profile.

WOLF HOLLERBACH AND JUNE DUNCAN, co-chairmen of this spring's Festival of Arts, were awarded kudos by their colleagues in the College of Arts and Letters at a festival evaluation meeting last week. The *Nanook News* concurs in the commendation. The festival proved successful once again, giving us a momentary surfeit of culture when we needed it most.

THE U.S. OFFICE OF EDUCATION has issued its higher education projec-

tions to 1977. Predictably, the official statistical forecast for the coming decade indicates more explosive growth. Total degree-credit enrollment is shown jumping from 6,348,000 in 1967-68 to 9,684,000 in 1977-78. Of the latter figure, 7,102,000 are earmarked for public institutions as compared to the 4,305,000 recorded in 1967-68. The projection indicates expenditures by public institutions will climb from the 1967-68 total of \$8.8 billion to \$16.5 billion in the next decade. Higher education will be higher than ever.

WHAT HOUSING SHORTAGE? Things are getting so tough that university personnel are willing to do most anything to find adequate housing. Witness the fact ISEGR researcher TOM WOODRUFF and English instructor ELAINE BORRON are getting married this month. From his economic point of view, marriage is a step toward a mere sound monetary policy, translated as two together can be gouged less than two alone, and from her 19th century literary background, it's utterly romantic.

THE NORTH STAR BOROUGH School District has openings for two library aides to work in elementary school libraries. For further information contact Mary Claire Sherman, Instructional Materials Center, 456-4114.

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STUDENT COMPOSER-PIANIST CORAY WILL GIVE JUNIOR RECITAL SUNDAY

Talented student pianist-composer Philip Craig Coray will perform in a junior recital at 4 p.m. Sunday in Schaible Auditorium.

Coray, a junior music major and talent grant student from Kenai, will include compositions by Bach, Debussy and Scriabin. Rounding out the concert will be Kathryn Adams, flutist, and Becky Watkins, trombonist, both of whom will be accompanied by noted pianist Jean-Paul Billaud.

The junior recital is given as part of the requirement for a degree in music performance. During his senior year Coray will give a full length concert to fulfill his senior recital requirement.

As a composer Coray was applauded last year by audiences who listened to his three preludes performed by Billaud in several concerts.

Billaud said Coray has been influenced by Russian composer Alexander Scriabin. He will play Scriabin's "Vers la Flamme" (Towards the Flame). The piece is considered extremely difficult and is rarely played in concert.

Coray will also play "Chaconne in D Minor" by Bach and "Reflets dans l'eau" by Debussy.

UNIVERSITY ASSEMBLY ELECTION SET

Elections to the University Assembly will be held May 6 through 7 for students and next week for faculty.

Voting for students will be from 8:30 a.m. to 9:30 p.m. both days at the Information Booth of the SUB. Faculty ballots will be handled by mail, said William Mendenhall, chairman of the assembly's Administrative Committee.

Both undergraduate and graduate students are eligible to participate in the election if they are fulltime students. Student identification cards will be required to obtain ballots.

HOOD, MC ROY ATTEND MEETING IN NOME TO DISCUSS RESOURCE USE

Dr. Donald Hood, director of the Institute of Marine Science, and Pete McRoy, senior research assistant, were in Nome today to participate in a conference on marine resources.

The two men were to meet with business and civic leaders of Nome to discuss the relationship of marine resources with development of Nome.

Their trip to Nome was sponsored by the Cooperative Extension Service, said James Matthews, assistant director.

"This program is the first in an effort to help community and area residents understand more completely the nature of resources and potential for development," Matthews said. "Objectives of the program are to broaden the availability of specialists in many fields particularly to smaller communities in Alaska."

Matthews said money for the travel expenses of Hood and McRoy came from a grant from the Higher Education Act of 1965.

GEOPHYSICISTS

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aries and limitations, the scientists have established an Inter-Union Commission on Solar Terrestrial Physics, an apolitical body coordinating the broader aspects of the projects and facilitating data sharing among scientists of many countries.

A magnetic observatory in Hawaii will notify Akasofu of an impending storm, triggering a sequence of events that will start data flowing to the Geophysical Institute from recording stations in Alaska, Japan, Indonesia, Russia, Senegal, Sweden, Iceland, Canada and Siberia.

"Equatorial observatories are better suited geographically to register the onset of a storm," Akasofu said, "while we in the high latitudes are in the best position to study the strong electric currents that pulse through the magnetic field during the storms."

SIXTEEN FACULTY MEMBERS ACCEPT TENURE OFFER MADE BY UNIVERSITY

Sixteen faculty members have accepted offers of tenure from the university this spring. They will be granted tenure effective July 1, according to President William R. Wood.

Those accepting are Warren W. Ottemiller, assistant professor of art and design; Dr. Lewis E. Haines, dean of students; Kenneth K. Martin, head of counseling and testing; Dr. Charles E. Behlke, dean of College of Mathematics, Physical Sciences and Engineering; Dr. J. Roger Sheridan, associate professor of physics; Philip Van Veldhuizen, associate professor of mathematics; Isabelle V. Galbraith, assistant professor of library science; and William H. Smith acting director of the library.

Others were Lu Rowinski, director of the University Museum; Charles S. Deehr, assistant professor, Geophysical Institute; Dr. Takeshi Ohtake, associate professor, Geophysical Institute; William A. Galster, coordinator of analytical services, Institute of Arctic Biology; Dr. William W. Mitchell, taxonomist-ecologist, Palmer Experiment Station; Wayne E. Burton, assistant professor of economics, Palmer Experiment Station; Dr. Y.R. Nayudu, associate professor and deputy director, Institute of Marine Science; and Dr. David C. Burrell, assistant professor, Institute of Marine Science.

VERMONT HOME ECONOMIST NAMED TO EXTENSION POSITION AT JUNEAU

A former University of Vermont home economist has been appointed by the Cooperative Extension Service as home economist for Southeastern Alaska at Juneau.

Appointed was Mrs. Carol Lingner, who will begin May 15, according to James Matthews, assistant director of Cooperative Extension Service. Mrs. Lingner will be responsible for family living and consumer information programs and will assist with 4-H and youth programs.

CAUTION: BURNING TRASH MAY BE HAZARDOUS TO YOUR HEALTH

Burning trash may be hazardous to your health, your property, and your insurance premiums, according to UA Fire Chief Willard C. (Buck) Whitaker, who is roaming the campus these days reminding people that outdoor fires of any sort are expressly forbidden on the campus.

The university's fire department has answered a dozen calls this week to battle brush fires ignited by burning trash. The Musk Ox home of Peter Clarke, a university draftsman, was destroyed early this week when a spring cleanup fire got out of control.

Whitaker concurs that cleaning up is a good idea, but suggests that homeowners refrain from burning refuse until a spring rain brings some much-needed humidity to the Interior.

The grass is dry as tinder, Whitaker said, and even a small fire can flare up into a major blaze in a matter of minutes.

He also said the university's fire trucks are no longer answering off-campus calls because one pumper is disabled with differential problems.

LIBRARY USES COMPUTER PRINTED LIST OF PERIODICALS

The University Library now has a computer printed title list of its serials and periodicals.

The library copy is located at the reserve desk and is scheduled to be updated every two months.

Multiple copies of the title list are now being printed and will be available for distribution soon.

Data for the printout is stored on magnetic tape at the Computer Center. A portable list of library periodical subscriptions and a general indication of their holdings should be a useful tool for researchers.

Mary Matthews, Isabelle Galbraith, Steve Sherman and others on the library staff have been working on the printout for the last six months.