

**THE UNIVERSITY OF WYOMING
MINUTES OF THE TRUSTEES**

November 17, 1971

**For the confidential information
of the Board of Trustee**

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THE TRUSTEES

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DEC 10-11, 1971

A visitation meeting of the Trustees of The University of Wyoming was convened on Wednesday, November 17, 1971, in the Board Room of Old Main at 10:00 a.m. The meeting was called to order by President True.

The following members were present: Brodrick, Bunning, Hickey, Hines, Jones, McBride, Quealy, Sullivan, True, and ex-officio members Carlson and Berry. Members absent were: Hollon, Ostlund, Pence, and ex-officio members Hathaway and Schrader. Executive staff present were: Elliott Hays, Vice President for Finance; Joseph Geraud, Vice President for Student Affairs; and Hugh B. McFadden, Vice President for University Extension. Executive staff member, James Ranz, Vice President for Academic Affairs, was absent. Dr. Donald A. Anderson represented the Faculty Senate.

Mr. True called for additions or corrections to the minutes of the meeting of October 15, 1971. It was moved, seconded, and carried that the minutes be accepted with the following amendment: page 15, add the word "School" to the end of line 8 of the item entitled Educational Television.

President Carlson announced that the Trustees would have lunch at Knight Hall with several members of the faculty from the College of Arts and Sciences and the Department of Atmospheric Resources.

Dr. Carlson enlarged upon his report to the Trustees of the policy which the administration is hopeful of adopting in working out agreements with higher education authorities in other states for the compensation of persons supervising student teachers. No action was taken.

ROLL CALL

APPROVAL OF MINUTES

ANNOUNCEMENTS

COMPENSATION OF
STUDENT TEACHER
SUPERVISORS

Mr. Brodrick brought to the attention of the Trustees, H. R. Bill 8545 which would implement one phase of the recommendations of the Public Land Law Review Commission for the abolishment of revenue sharing with local governments and provide an "in lieu" tax payment to the local governments by the federal governments. This bill pertains only to present revenue sharing with county governments, but led into a discussion in which the Trustees reviewed recommendations for additional legislation which would terminate participation by the State of Wyoming in revenues derived by the United States from mineral leasing in Wyoming which currently provides the University with funds for capital improvement bond issues. It was the consensus that the Trustees and the University administration should work closely with State official with regard to the situation.

An informal discussion was held concerning the ten per cent discount currently allowed faculty members at the Bookstore. Mr. Berry reported that the Student Senate has passed a resolution calling for discontinuance of this practice, based upon the complaints of many students that the policy was discriminatory. Dr. Anderson reported that the topic is on the agenda for the December Faculty Senate meeting.

Dr. Anderson stated the Faculty Senate had passed a resolution for the establishment of dialogue between the Black Student Alliance and Brigham Young University, and that the Senate is presently in the process of working out details to implement this resolution.

Upon inquiry by Mr. Bunning, Mr. Geraud stated that he would present a report on the Eden Farm lease renewal at the December meeting.

PUBLIC LAND LAW
COMMISSION

BOOKSTORE DISCOUNT
TO FACULTY

FACULTY SENATE
RESOLUTION ON
DIALOGUE WITH
BLACK STUDENT
ALLIANCE

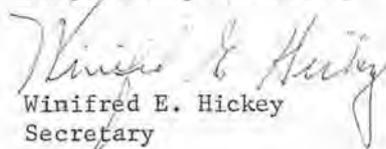
EDEN FARM LEASE
RENEWAL

At 11:00 a.m., Dean E. Gerald Meyer, College of Arts and Sciences, Dr. Anne Slater, Associate Professor of Anthropology, Mr. Julian Vigil, Instructor in English, Mr. Russell D. Edmunds, Supply Instructor in History, and Mr. Dwight James, law student and Part-time Instructor in English, joined the group to give a presentation on the University's Ethnic Program instituted this fall semester. Class sections, designed for students with culturally different backgrounds, have been filled to capacity, and it is felt the program will do much to encourage minority students. It is hoped the program may be expanded.

The meeting went into recess at noon for luncheon at Knight Hall, reconvening at 1:30 p.m. in the Planetarium for a presentation on Atmospheric Sciences by the Departments of Physics and Atmospheric Resources. Mrs. Hickey left the meeting and is hereafter recorded as absent. A report of the afternoon visit is attached and made a part of these minutes.

At the conclusion of the program the meeting adjourned at 4:00 p.m. to meet again in regular session on December 10, 1971.

Respectfully submitted,


Winifred E. Hickey
Secretary

PRESENTATION ON
THE ETHNIC PROGRAM

PRESENTATION ON
ATMOSPHERIC
SCIENCES

ADJOURNMENT AND
DATE OF NEXT
MEETING

VISITATION BY THE BOARD OF TRUSTEES TO
THE DEPARTMENTS OF PHYSICS AND ATMOSPHERIC RESOURCES

November 17, 1971

Trustees Brodrick, Bunning, Hines, Jones, McBride, Quealy, Sullivan, True and ex-officio members Berry and Carlson assembled in the Planetarium of the G. D. Humphrey Science Complex at 1:30 p.m., Wednesday, November 17, 1971. Joining the Trustees were Dr. E. Gerald Meyer, Dean of the College of Arts and Sciences, Dr. Walter T. Grandy, Jr., Head of the Department of Physics, Dr. Donald L. Veal, Head of the Department of Atmospheric Resources, Drs. David J. Hofmann and James M. Rosen of the Department of Physics, and Drs. Gabor Vali, John Marwitz, and August Auer, Jr. of the Department of Atmospheric Resources.

Dean Meyer welcomed the Trustees to the Planetarium, commented on the importance of the atmospheric science operations on campus, and noted the operation as being typical of the interdisciplinary cooperation at the University.

Reflecting on the growth of the astronomy program since last spring, Dr. Grandy expressed his confidence in the well-rounded program of research now continuing in the extra-terrestrial sciences. Again emphasizing the importance of interdepartmental cooperation, Dr. Grandy noted that the atmospheric science program offers both graduate and undergraduate students an unparalleled opportunity to study problems of the environment. The primary goal of this program in the future will be the attraction and employment of the best teachers in the field.

Dr. Veal then briefed the group on the Department of Atmospheric Resources. The Department offers the Master of Science degree in atmospheric research and the Doctorate in atmospheric physics and gears all of its graduate programs toward producing well-rounded students. Dr. Veal noted that the graduate programs offered within the Department encourage students to remain in Wyoming to continue their research after graduation. Commenting on the great need for accurate weather forecasts, Dr. Veal explained the Department's efforts in atmospheric research would be useful in providing forecast information to the State. Programs presently under investigation in the Department include: (1) cloud research at the Elk-Mountain Water Research Observatory, (2) The National Hail Research Experiment, and (3) research on the influence of urban pollution on severe storms. Dr. Veal concluded by saying that the interdisciplinary approach has proven to be extremely successful in finding a common solution to several problems.

As the group viewed slides of the Elk-Mountain Observatory, Dr. Vali explained that the facility was uniquely useful to scientists from all over the world. Measurements of cloud content, as well as studies of crystalline structure can be made while clouds pass over the mountain. Methods for optimizing moisture output from winter clouds are being investigated, one of which is the silver-iodide

seeding method. Dr. Vali demonstrated through slides the process of silver-iodide seeding, and expressed a need for a method of seeding clouds which would not at the same time pollute them. Dr. Vali summarized the role of the University at the Elk-Mountain Observatory as being twofold: While students are receiving graduate training, exciting new research on clouds is being carried out.

Dr. Marwitz then presented slides of the National Hail Research Experiment. Dr. Marwitz explained that, because the annual amount of hail damage is so high, (approximately \$1,000,000,000 total crop loss due to either hail damage or drought), research in the field is significantly warranted. Until a method of modifying the actual hailstone can be found, research is being aimed at finding conditions within a storm that create hail. This study is closely related to the study of rain crystals, although observations of actual hail must take place in aircraft, rather than in the Elk-Mountain Observatory. Dr. Marwitz complimented the University for providing the finest aircraft available to make these studies.

Professor Auer spoke to the group on the influence of urban pollution on severe storms, and presented slides of research done on this project last August in St. Louis. Professor Auer's efforts in St. Louis were directed toward finding relations of high pollution days to precipitation periods, and toward finding the physical causes of city-induced rain and thunderstorms increases. University aircraft was used in St. Louis to map the city and take data which will be used in the further exploration of this problem.

At 3:00 p.m. the group recessed to stretch and observe the pictorial display of research done by the Department of Atmonspheric Resources. At this time Dr. Vali presented glossy prints of the Elk-Mountain Observatory to each Trustee.

Dr. Grandy reconvened the group at 3:15 p.m. and explained that Dr. Theodore Pepin would not be present due to a death in the family. Dr. Grandy then introduced Dr. David Hofmann to the group.

Dr. Hofmann began by noting that studies of the stratosphere complement studies currently being done by the atmospheric research group on the lower atmosphere. Defining the region of the atmospere known as the stratoshpere, Dr. Hofmann discussed the tremendous problem of pollution in that region and what its ultimate effects on the earth could be. Research is being concentrated on questions of pollution in the stratoshpere and is being pursued through balloon launches. Dr. Hofmann presented slides of the global sampling program presently in operation, of the balloon launch facility at Brees Field, and of an actual balloon launch and recovery. In conclusion, Dr. Hofmann stressed the importance of finding answers to questions of pollution in the stratoshpere before serious alterations on the earth's temperature are made.

Dr. Rosen then briefed the group on the research and development of the instrumentation of the command systems used for balloon launches. Slides of the photo-electric particle counter, which has been

under development for the last two years, were shown. He also outlined the upcoming satellite flights which will carry UW instruments for further stratospheric research. Dr. Rosen concluded the afternoon's presentation by presenting slides of student balloon launches made last spring.