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International Countries, White House: Poland [1992]

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THE WHITE HOUSE

WASHINGTON

August 3, 1992

Dear Dr. Jensen

Thank you for your letter of July 13, 1992, concerning your travel to Poland. I appreciate receiving the summary describing the Utah Engineering Experiment Station and efforts to establish a similar organization at the Technical University of Gdansk in Poland.

International cooperation is critical to the success and strengthening of science and technology, in the United States and abroad. Central and Eastern Europe present particularly significant opportunities to tap the rich potential of such cooperation. Both government and non-government sectors are important to this effort, and this is particularly true in Central and Eastern Europe as countries of the region move to market economies. I am encouraged to see the University of Utah and other American universities working to expand joint activities with institutions in the region.

Prior to your visit to Poland, you may be interested in learning more about the U.S.-Polish Joint Fund managed by the U.S. Department of State. I suggest you call Mr. Thomas Hutson, Acting Program Officer, Cooperative Science and Technology Programs in the State Department, who will be able to provide you with information on the Fund and other relevant U.S. government activities in Poland. You may also wish to contact the U.S. Science Counselor in Warsaw, Mr. Coleman Nee. Mr. Hutson can be reached at (202) 647-2958, and can provide you with Mr. Nee's phone number and address.

Again, thank you for your letter. I wish you and the University of Utah the best of luck during your visit to Poland.

Sincerely,



D. Allan Bromley
The Assistant to the President
for
Science and Technology

Dr. Gordon F. Jensen
Director
Utah Engineering Experiment Station
104 Energy Minerals Research Office
Salt Lake City, Utah 84112

cc: Thomas Hutson

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TYPE: ACTION DOCUMENT NUMBER: 9202538
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: JENSEN, Gordon F.: UNIVERSITY OF UTAH

TO: DR. D.A. BROMLEY

DATE OF CORRESPONDENCE: 07/13/92

SUBJECT: HE IS WRITING REGARDING THE POSSIBLE ESTABLISHMENT OF THE UTAH ENGINEERING EXPERIMENTAL STATION CONCEPT AT THE TECHNICAL UNIVERSITY OF GDANSK, POLAND.

DIRECTORATE ASSIGNED: INTERNATIONAL/POLICY STAFF ASSIGNED: 

ACTION REQUIRED: FOR DAB'S SIGNATURE STAFF ACTION: For DAB's signature

SENDER'S DUE DATE: OSTP DUE DATE: 08/05/92 STAFF DUE DATE 8/5/92
DATE COMPLETED: DATE COMPLETED/DEPT:

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THE
UNIVERSITY
OF UTAH
July 13, 1992

Dr. Alan Bromley
Director of the Office of
Science and Technology Policy
Executive Office of the President
Washington, D.C. 20500

Subject: Possible Establishment of Utah Engineering
Experiment Station (UEES) Concept
At the Technical University of Gdansk (TUG)
Gdansk, Poland

Dear Dr. Bromley:

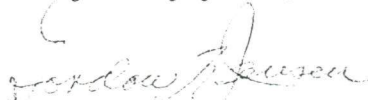
At the suggestion of Dr. Roger B. Porter, I am taking the privilege of writing you this letter.

The Technical University of Gdansk at Gdansk, Poland, is considering establishing "an agency similar to the UEES in order to provide a technology 'bridge' between education and industry." An official of the TUG has indicated that "we have been informed of its (i.e. UEES) success in interacting with industry and all levels of government. We are impressed with the accomplishments of the UEES in raising funds and coordinating the activities of faculty and partners from industry and government."

I am enclosing (1) a copy of the letter inviting me to lecture in Poland on the UEES; (2) a copy of the University of Utah press release announcing the invitation; and (3) a brochure describing the UEES. *I am seeking your, or your associates', counsel on any suggestions as to how I may optimize the success of my visit. For example: are there persons I should contact, either in the U.S. or Poland? Are there programs in place that could assist in this effort, financially or in other ways?*

My basic desire is to render a service of some permanency rather than just provide some interesting lectures. I tentatively plan to be in Washington within the next month. I thank you for considering this request and look forward to your response.

Very truly yours,



Gordon F. Jensen
Director
Utah Engineering Experiment Station

Enclosures (3)

cc: Dr. Jan Hupka, University of Gdansk
Dr Antoni Nowakowski, Gdansk
Dr. Roger B. Porter

Utah Engineering Experiment Station

104 Energy Minerals Research Office
Salt Lake City, Utah 84112
(801) 581-6348
FAX: (801) 581-5440



POLITECHNIKA GDAŃSKA

TECHNICAL UNIVERSITY OF GDAŃSK

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Informacja telefoniczna 47-11-00 © telefax 415521 © telex 0512302 pig pl

Gdańsk _____

Mr. Gordon F. Jensen
Director
Utah Engineering Experiment Station
EMRO 104
University of Utah
Salt Lake City, UT 84112

Subject: Invitation to lecture at the Technical University of
Gdańsk in October or November, 1992.

Dear Mr. Jensen,

It is our honor and pleasure to invite you to visit our University for ten days in October or November 1992 and to give lecture on the operation of the Utah Engineering Experiment Station. We have been informed of its success in interacting with industry and all levels of government. We are impressed with the accomplishments of the UEES in rising funds and coordinating the activities of faculty and partners from industry and government.

Your travel expenses within Poland including transport from Warsaw and back as well as accommodation will be covered by the Technical University of Gdańsk. To our regret, we have no means to reimburse you with the travel costs to Poland and back.

Please contact Professor Jan F. Biernat, the Dean of The Faculty of Chemistry to establish the convenient date of your visit.

Looking forward to a real y, at your earliest convenience, I am sending you our kindest regards.

Your sincerely

PROREKTOR

d/s ogólnych

Antoni

Prof. dr hab. inż. Antoni Nowakowski

Gdańsk, February 25, 1992.



RELEASE AT WILL
7 April 1992

GDANSK OFFICIALS LOOK TO U. AGENCY AS POSSIBLE ECONOMIC DEVELOPMENT MODEL

Officials at The Technical University of Gdansk, one of Poland's leading research and educational schools, will study the Utah Engineering Experiment Station at the University of Utah as a possible model for industry-university economic cooperation.

They have invited Gordon F. Jensen, UEES director, to present a series of lectures and to meet with educators in the port city where the Solidarity labor movement began, led by Lech Walesa, now Poland's president.

Jensen, an administrator and professional engineer, will visit Poland in late October and early November. He will explain how UEES works with faculty, government and industry. UEES primarily serves the colleges of mines and earth sciences and engineering.

Dr. Antoni Nowakowski, vice president at Gdansk who announced Jensen's visit, says the Polish technical school hopes to establish an agency similar to UEES to provide a technology "bridge" between education and industry.

"We are impressed with the Utah's Experiment Station's accomplishments in helping raise research funds and in coordinating the activities of faculty with their industry and government partners," says Nowakowski.

Private companies and state and federal agencies work through UEES to tap into the broad expertise of university faculty. The station's basic financial support is provided

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through state mineral leasing funds.

Dr. Jan F. Biernat, dean of the Faculty of Chemistry at Gdansk, will visit the Utah campus this summer to complete arrangements for Jensen's visit and to tour laboratory and research centers. Another Gdansk professor, Dr. Jan Hupka, will soon end a three-year visiting professorship at the U. and return to Poland. Hupka is a member of the U.'s preeminent tar sands research team and an authority in petroleum engineering.

The Technical University of Gdansk, a 90-year-old institution, has nearly 10,000 students working toward degrees in science, technology and engineering. Gdansk is the largest harbor on the Baltic Sea and the home of several other universities and colleges, and is a center for opera, symphony and theatre.

The U.'s relationship with Gdansk dates to Dr. Jan D. Miller's 1980 visit there soon after the independent trade union federation was formed by Waiesza following a successful strike at the Lenin Shipyard. Miller, professor of metallurgical engineering, initiated an academic exchange program with Gdansk and other technical schools in Eastern Europe. On a return visit in 1991, Miller saw, first-hand, Poland's historic battle for democratic reform and the struggle by educators to keep science and technology studies alive in their country.

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For further information:

Gordon Jensen, 581-6348

News Service contact:

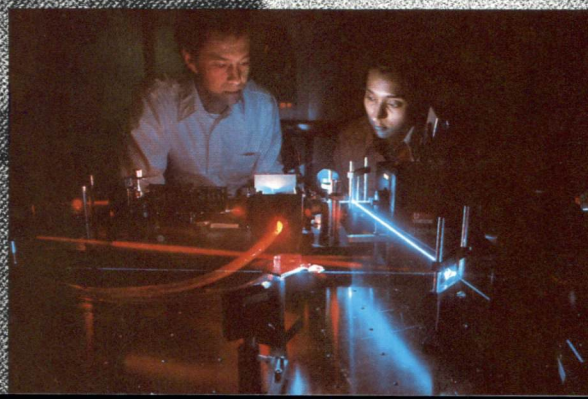
James C. Bapis, 581-7932

UTAH ENGINEERING EXPERIMENT STATION

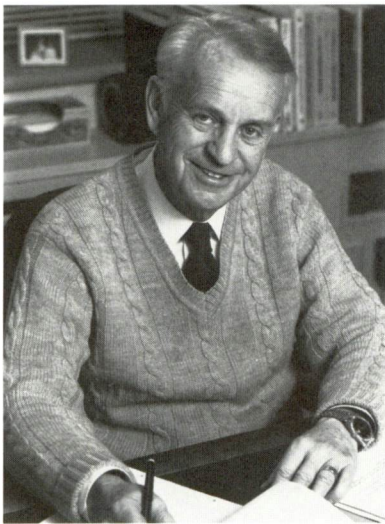
University of Utah



**Nearing a Century of Service to
Government, Experimenters and
Business Entrepreneurs**



Since its founding in 1909 by the Utah legislature, the Utah Engineering Experiment Station (UEES) has linked Utah industry with University of Utah technical resources. Its formal mandate nearly a century ago was to “carry out experiments and investigations pertaining to any and all questions and problems that admit of laboratory study, and a solution of which would tend to benefit the



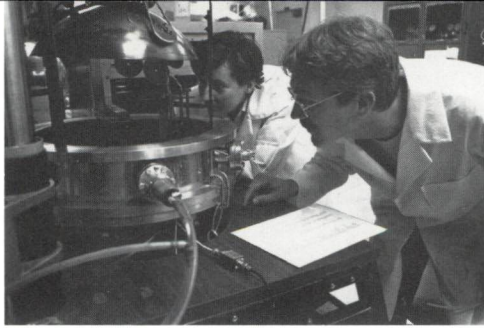
A registered professional engineer, Gordon F. Jensen was named UEES director in 1976. Prior to his appointment, he spent 16 years as a leader in research and research management at SRI International (Stanford Research Institute), where he helped develop a wide range of U.S. and international research programs. Jensen is expert at fostering industry-academia cooperation and in 1988 was distinguished as “Utah Engineering Educator of the Year” by the Utah Society of Professional Engineers. He is also a Fellow of the American Society of Civil Engineers. As UEES director, Jensen has authored, coauthored and/or coordinated publication of studies on such subjects as petrochemicals, coal mining equipment, solar energy systems, tar sand and oil shale extraction, and Utah’s oil and gas industry.

Gordon F. Jensen, Director
Jerry H. Zenger, Assistant Director
Ann Haran, Administrative Assistant

industrial interests of the state, or would be of the public good.” In an era of rapidly changing technologies, UEES has expanded and diversified its mission to include direct support of Utah’s economic development.

UEES is a principal engineering technology “bridge” that connects the University and the public, an initial point of contact for individuals, companies, and state and federal agencies that want to tap into the broad expertise of University faculty. The UEES director and a small staff work principally with the deans, faculty and students of the College of Engineering and the College of Mines and Earth Sciences. Basic support for the Experiment Station comes from state mineral leasing funds. The remainder of its operating revenues are generated from research coordination and management; materials and product testing; workshop, seminar and conference fees; and publications.

The following examples of UEES activities and affiliations help portray its role as an “incubator and catalyst” for economic growth in Utah and beyond.



Semiconductor components are fabricated in the Hedco Microengineering Laboratory, using an electron beam vacuum deposition technique.

Affiliated Facilities

Center of Excellence for Advanced Coal Technology

UEES, in collaboration with the University's Department of Fuels Engineering, operates a state-of-the-art coal technology center as part of the state's Centers of Excellence program. Center activities focus on unique properties of Utah's high-resin, high-volatile coals, with the goal of expanding current markets and creating new markets for Utah coals, coal-derived liquids and resin products.

Hedco Microengineering Laboratory

Administered by the University's College of Engineering, Hedco is a vital training and research center in the emerging field of microfabrication. The center serves the colleges of Engineering, Science and Pharmacy, the School of Medicine and the general public. The facility, which conducts extensive research in microfabrication, the making of integrated circuits, and the processing of new materials, is ideally suited for developing and testing new technological and research concepts.

Utah Energy Center

A collaborative effort with the Utah Energy Office, the Utah Energy Center (UEC) supports educational and technical activities related to energy conservation and development at Utah colleges and universities. In 1989, the center published and nationally distributed a study promoting energy projects with high potential for public impact. UEC also helped draft Utah legislation to help ensure the survival of small petroleum companies, especially in rural areas. The center operates a state pilot program in which engineering students reanalyze public buildings whose retrofittings for energy savings have not met expectations.

Fossil Fuels Characterization Laboratory

UEES and the Fossil Fuel Characterization Laboratory conduct detailed studies of fossil fuels, especially coal, to enhance the marketing of Utah's coal. The laboratory analyzes coal and other fossil fuels for both on- and off-campus agencies.

Related Services

Funding Coordination

The Experiment Station maintains close affiliation with key federal and state funding agencies including, at the national level, the National Institute of Standards and Technology, Department of Energy, Department of Commerce, Bureau of Mines, and National Institutes of Health. At the state level, UEES works closely with the Department of Natural Resources, Utah Energy Office, Utah Geological and Mineral Survey, Department of Community and Economic Development (including its Business Creation and Centers of Excellence programs), and others. As a result, UEES often plays a leadership role, coordinating major federal and state funding programs.

Help for Emerging Companies

The Utah Technology Finance Corporation (UTFC) utilizes the Experiment Station to help operate an educational outreach program for the state funded Small Business Innovation Program. UTFC funding nurtures small, technology-based Utah companies that have strong growth potential. Since the program's inception five years ago, UTFC has endowed nearly \$5 million in funding or financial commitments to more than 100 Utah companies.

Through UEES channels, several small Utah companies have initiated new product development. In 1986, UEES helped one company to pursue the development of an innovative, complex, hi-tech product by putting together a cost-effective University research team and helping the company secure several hundred thousand dollars of funding for research and development from federal and state agencies.

Conferences and Workshops

Together with James Bapis of University Public Relations, UEES has established the Utah Conference on Energy, Mining and New Technology, described as the Intermountain West's finest, most widely recognized annual symposium in those combined fields. The conference features outstanding speakers on national, regional and local issues. In addition to the conference, UEES offers diverse annual workshops and seminars on topics ranging from economic development to earthquake safety.

Energy Conservation Education

Jerry Zenger, UEES assistant director, oversees two Utah Energy Office-funded programs designed to increase energy conservation in Utah. The State Energy Conservation Plan offers technical assistance and workshops for local government and industrial, institutional, commercial and residential energy consumers. The Institutional Conservation Program (ICP) carries out energy audits for public buildings, schools, hospitals, and state and local government agencies. A study of ICP-funded retrofits in Utah and Idaho received national recognition.

Analysis and Testing

UEES helps private companies obtain cost-effective materials testing and analytical services from University and affiliated personnel. These services provide the state with equipment and expertise often unavailable from commercial laboratories. Up to 100 tests are conducted for on- and off-campus clients in any given year.

Emergency Planning: Earthquake Hazards

UEES collaborates with the University Seismograph Stations and state agencies in developing "strong-motion" instrumentation and maintenance programs for earthquake engineering. An ongoing objective is to obtain funding for instruments that furnish more accurate measurements and that provide a better understanding of local earthquake phenomena.

Faculty and Student Collaborations

The Experiment Station participates with University faculty and students in evaluating and developing a variety of technologies, from the enhancement of minerals and oil production and processing to the development of medical devices and other hi-tech products. Each year, up to 25 professors and 50 students collaborate with UEES on about 40 research and testing projects.

A graduate student in fuels engineering performs elemental analysis of liquid and solid fuels in the Fossil Fuels Characterization Laboratory.





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