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Utah Technical College at Salt Lake

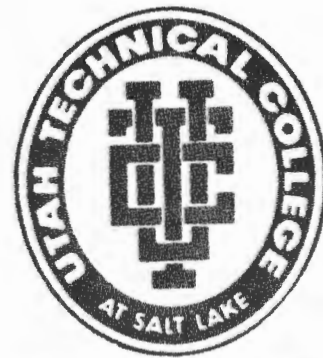
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Headliners

Utah Technical College at Salt Lake



NUMBER 30

NOVEMBER, 1978

Dale S. Cowgill: Confidence in Utah Tech's potential

How do you replace an era, or nearly 30 years under the guidance of one man, former President Jay L. Nelson?

Well President Dale S. Cowgill, doesn't have it in his mind to replace anything. He would rather start a new era.

Walking into his office you'll notice some subtle changes already. His desk is in another corner. The curtains are parted and sunshine floods in. A small, oval table with four chairs replaces the long council table. And there's a famous baseball player's brand of coffee pot. The door still is wide open.

It's not a commentary on the previous administrator, but a very friendly expression of an open and honest man who wants more than anything else to maintain the individual and collective excellence of Utah Tech and develop future potential. So what does he have on his mind?

Right off the bat he's emphatic about priorities. At Utah Tech it will be students, faculty and then staff and administration, in that order. And he's concerned about student retention. Dr. Cowgill says, "Every student here actually is a dropout from the work force, not a dropout from high school or college." He adds, "We must do everything we can to get that student into the work force,

because that's what we're about." He hopes every student will gain the competence and assurance to be successful. Dr. Cowgill thinks an expansion of certain student services would be helpful, particularly in career planning.

And he's adamant about vocational education taking the offense in promoting itself. Dr. Cowgill says, "I'm perplexed by the attitude of defensiveness expressed by vocational educators. Vocational education has a potential so far beyond its present capability that a defensive posture simply gets in the way of serving people."

"Vocational education serves the largest and most useful segment of society," Dr. Cowgill says, "and vocational educators should realize that they are just as powerful and effective as academicians." Dr. Cowgill believes that vocational education is not for second class citizens or slow learners, but for first class citizens who learn differently.

A new administrator conjurs up thoughts of job insecurity. And Dr. Cowgill admits that there will be some changes, but more along the lines of streamlining or altering standard university organization.

"I would rather see something that better fits our individual operation - something that will make competent professional people more productive. I would rather see decisions made where the action is," states Dr. Cowgill. Calling it "participative management," Dr. Cowgill says such a system works with trust. There will be limits and guidelines, provided by his administration, but he thinks competence and confidence will go hand-in-hand. And he believes loyalty to the institution is vital.

Dr. Cowgill doesn't think his way of doing things will evolve overnight - maybe a year or so. But he is sure it will work as soon as individuals get to know themselves better, concentrate on doing what they do best and benefit both the college and the individual with a positive attitude.

Fall quarter headcount up

Total head count enrollment for fall quarter increased 24 students to 6,487, slightly more than regents' predictions. The fulltime equivalent student count, however, is down to 3,717. Judd Morgan, registrar, said part-time student enrollment increased sharply, while fulltime student numbers dropped. Morgan says 3,564 students are enrolled for seven credit hours or less.



"I would rather see decisions made where the action is."

\$140,300 budget cut at college

A \$140,300 cut in Utah Tech appropriations has been allocated by the State Board of Regents as part of a \$3 million drop in the 1978-79 budgets of Utah's state-assisted colleges and universities. The Skills Center program is scheduled to lose \$3,100.

The cuts are in answer to an initial \$6 million cut request in the higher education budget by Gov. Scott Matheson. The cuts will come in two phases. About one-third of the cut will come after colleges and universities have analyzed enrollments.

Donald B. Holbrook, regents' chairman, says, "The system has reacted in a responsible fashion." He adds, "It's a miracle that the quality of education in Utah is as high as it is," noting that the expenditure per student in the state is among the lowest in the nation.

The appropriations cut will be a "one-time" effort. The original uncut 1978-79 budget will be the basis for the 1979-80 budget now under consideration, according to the regents.

Utah Technical College at Provo will contribute \$142,100 to the cut. The University of Utah's allotment is cut by \$1,227,000.

Dr. Cowgill envisions a broader horizon for Utah Tech. "It's inappropriate to make quick changes at the college," he says. "We should retain the excellence which exists in the vocational-technical instruction, but we should accept the challenge to serve more broadly," according to Dr. Cowgill.

He's aware that present facilities limit expansion plans, but indicates that on the other hand the college shouldn't limit itself to entry-level job education. He doesn't mention specific plans.

Dr. Cowgill appears to be well aware that enrollments are still the chief determining factors for appropriations. "When enrollment drops flexibility drops too," he mentions, indicating that chances for new programs, equipment, etc., are lessened. He feels that the State Board of Regents and the Legislature don't see the college in as high a priority as most would like, but he believes they have no bias.

The new president was dean of the School of Technology at Weber State College before his appointment at Utah Tech. He's a native of Washington, D.C., and grew up in Pennsylvania and Utah. He earned a pre-engineering associate degree at Weber College, a bachelor's degree in metallurgy from the University of Utah and received his doctorate in metallurgy from Iowa State University in 1964. He has spent much of his time since then working in private industry and for

the government. He started teaching at Weber State College in 1969, became curriculum director of the School of Technology in 1972, associate dean of the school the following year and dean in 1974. He will continue to live in Ogden for a time. His wife's name is Mary, and he has four daughters. Laura is a junior engineering student at the U. of U., Ida is a Weber State College freshman, Sara attends Mt. Ogden Junior High and Anna goes to Grandview Elementary.

Dr. Cowgill hesitantly admits to participation in a full gamut of sports activities in past years, including a softball pitcher of some note. But he now enjoys quieter, individual rather than team, pastimes. He describes himself as a "voracious" reader. Dr. Cowgill also says he gets a great deal of satisfaction out of interchange with people, especially if he is instrumental in increasing another person's potential.

When asked what he intended to do about the pigeons on the roof of the Administration Building, he answered in a fashion to which Utah Tech will become accustomed, "Let's let the pigeon fanciers tackle the problem."

Vocational education is natural for Van Ottens

For the past several years, attendance at Utah Tech for the Van Otten family has been as natural an occurrence as putting syrup on pancakes.

Since 1970, six sons of Warnell and Betty Van Otten have graduated from the college. Tom graduated in 1970 from the machine shop course. Then it was Craig in 1975 in electricity, and Terry that same year in welding. Then came Ron in 1976 in auto body repair and

diesel mechanics. Then last year, Scott and Kelly finished courses - Kelly in machine shop and Scott in auto mechanics. Ron, now 29, is a successful mechanic at Kenworth Sales Co. Craig is 28 and an electrician for Concrete Products. Tom, Terry and Kelly, ages 27, 22 and 19 respectively, are partners in Precision Tech Welding and Machine Inc. Scott, a mechanic, still is shopping around.

Perhaps one of the interesting

facts about the Van Otten brothers is that they have been consistent winners in Utah state competitions of the Vocational Industrial Clubs of America. Tom won state contests two years in high school, before there was college competition. Terry won the state VICA title in welding for three years in a row - the first two in high school and the third at Utah Tech. Kelly was the state VICA machinist winner one year in high school and one year at Utah Tech. Scott won two state titles in high school and two college titles. Probably the only disappointment in all of this is that none of them won a medal in national VICA contests.

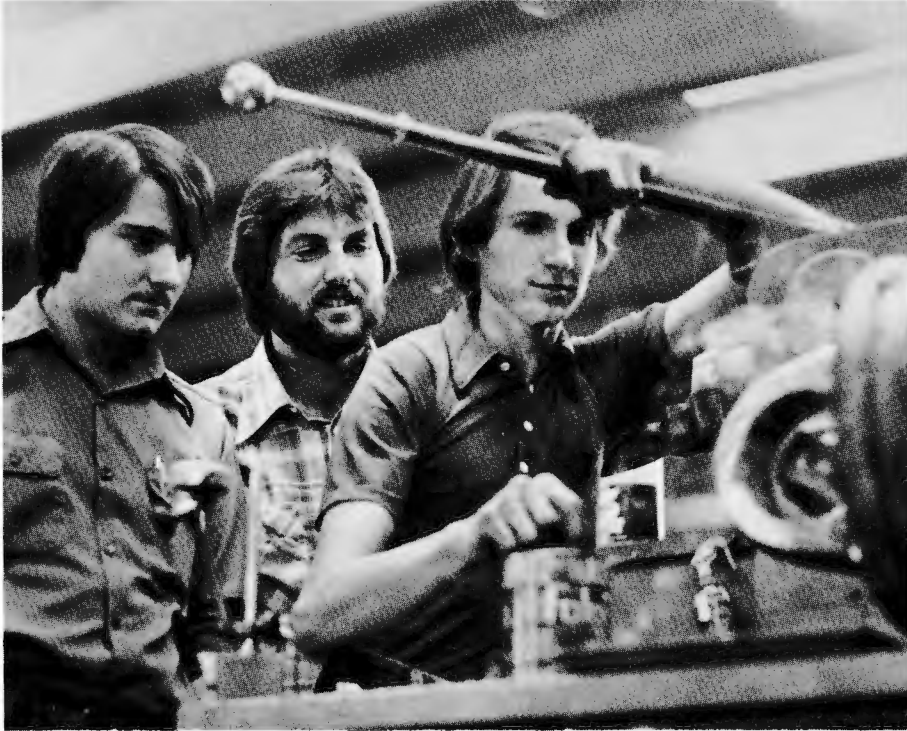
A short visit to Precision Tech is a lesson in enthusiasm, and somewhat of a first-hand look at what consuming interests in trades can accomplish. The business got started about three years ago, and Tom, Terry and Kelly admit that business is good. The company has complete machine shop facilities and deals with hydraulic cylinder and valve reconditioning, industrial mining and construction equipment parts remanufacturing and certified mig. tig. and shielded metal arc welding. Counting the management, there are nine employees. They hope to open a branch soon in Casper, Wyoming, to serve the surface coal mining industry there. Tom and Terry worked for a number of years with Tool Design and Engineering in Salt Lake City, so they know what they are doing. Tom indicates that Salt Lake City is becoming somewhat of an industrial area, noting that there must be more than 100 machine shops in the Salt Lake Valley.

The Van Ottens say that their interests came mostly out of high school and from urgings on their father's part, who has expertise in a number of fields. By the time the Van Otten sons got to Utah Tech (there are three other sons and three sisters too) they had good foundations in the subjects they studied. Terry says

that some of the Utah Tech welding classes were repeats of what he got in high school. He was able to successfully challenge those courses and finished the Utah Tech welding course in a year. Terry says, backed by his brothers, that Utah Tech became a very practical and needed experience for him. He said he received excellent theory from his high school, but the high school schedule didn't allow much time for professional practice. He thinks the Utah Tech welding lab is one of the finest anywhere, adding that the practical experienced gained at the college well prepares students for actual job conditions.

All the Van Ottens have nothing but high praise for their instructors. They particularly liked the way they always seemed to be around when they were needed. They say the encouragement they got from the instructors was a bonus to them.

For the Van Ottens, Utah Tech has been just what they needed to help them toward promising and productive careers. With the Van Ottens, the state will benefit a great deal from its investment in vocational-technical education at Utah Tech.



Terry, Tom and Kelly Van Otten

'Kingdom of Tonga' film adventure to show Nov. 13

"The Kingdom of Tonga," a travel film by Clint Denn, will be shown at the college on Mon., Nov. 13, in the Rampton Bldg. Auditorium. Show time is 8 p.m. Admission to students is free with student ID cards. The cost is \$2 a person for other individuals.

The film is an adventure in the "friendly islands." Like all Polynesians, Tongans are good-humored, direct, and above all, friendly. Their music and dance reflect the spirit and sparkle of the Tongan hospitality.

Denn's film visits the sumptuous palace of King Taufa'ahau Tupou IV, absolute monarch of the Tongan Islands. Visits to villages will demonstrate Tongan home cooking, the art of Tapa making from the bark of trees and the

processing of copra. Explorations will be made throughout the islands and their sandy beaches by night to see native torch fishing and breathtaking underwater coral gardens.

The people of Tonga think that anyone who lives anywhere else is truly unfortunate, since every Tonga road is lined with lush tropical flowers, fruits and vegetables.

Clint Denn has had a varied career in photography, travel, writing and underwater adventure. Denn helped develop Photomarine International Inc. which has produced texts and films on scuba diving. He was instrumental in developing the Scuba Diving program for the County of Los Angeles.

Student movies Nov. 16-17

The movie "Silver Streak" will be shown Nov. 16-17 at 7 p.m. in the Rampton Bldg. Auditorium. Admission is \$1.50 without an activity card and \$1.25 with a card. The Circle K Club sponsors the college movies this year.

New commission formed to study voc-ed

Utah Tech President Dale S. Cowgill has been named to a 20-member commission created to examine the state's future vocational education needs.

Governor Scott M. Matheson and Dr. Walter D. Talbot, announcing the formation of the commission, said current levels of vocational education in Utah will be studied for the next year and plans developed to meet business, industry and agriculture needs by 1985 and beyond. Committee members were appointed by the governor and recommended by the State Board For Vocational Education, Board of Regents, the speaker of the House of Representatives and the speaker of the Senate.

An additional 14 members will be appointed after regional team meetings.

Others named to the commission are Jack C. Higbee, Utah State Advisory Council for Vocational and Technical Education; Marilyn McKay, Utah State Planning Coordinator's office; Sara Jense, housewife; Scott S. Parker, president of Intermountain Health Care; Steve Richens, director of apprenticeship outreach, Utah Building and Construction Trades, AFL-CIO; Grant Peterson, state representative; Lucille Stoddard, vocational administrator; Nicholas Welch, parent; Calvin Crandall, secondary school student; Kathleen Lindsay, church leader; Orville D. Carnahan, president of Southern Utah State College; Richard E. Carman, president of Carman Refrigeration; Clarence Robinson, track coach at Brigham Young University; Ernest H. Dean, senator; Warren E. Pugh, senator; Norman O. Wahlstrom, representative and Arlo D. James, representative.

New computer system to update data processing

A DEC 20-20 general purpose computer system will be installed in the data processing lab in time for the start of winter quarter.

Manufactured by Digital Equipment Corp., the system will include a processor, magnetic tape unit, two disc drives, a line printer, console control terminal, card reader and associated equipment. The system will be used primarily for instructional purposes and data processing languages of Basic Fortran, Cobol, RPG II and assembler languages. The system is time-sharing oriented and memory expansion capabilities are increased far beyond the system now being used. The new system cost about \$200,000.

Jerry Fullmer, division head of data processing and accounting, says the present Univac system is about 10 years old and maintenance costs are becoming an expensive problem. He says the unit was shut down for more than a month last year for repairs. The new computer system will offer more up-to-date approaches to data processing instruction. The new system also will alleviate the present need of buying computer time from the University of Utah for data processing languages not possible on the present system.

Installation of the new system also will require some remodeling in the data processing lab.

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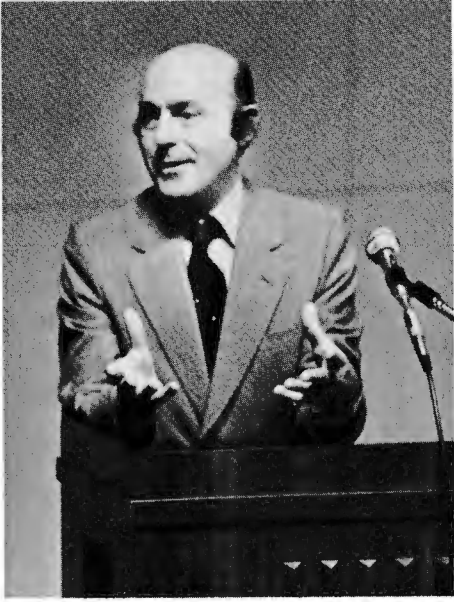
NOVEMBER, 1978

Ron Ollis, Editor

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Luciano Franzoni

Men's fashion expert details styles, trends

It may take only a couple of weeks for the button on that new sports jacket to fall off, but it took nearly two years to develop and market that particular coat.

Luciano Franzoni, a designer for the Hart Schaffner and Marx Co., recently spoke to marketing students during a brief visit to the college. He mentioned that design changes in men's clothes require from 18 months to two years to implement. The long time lag results from selection and creation of fabrics and the manufacturing and marketing routine.

Franzoni indicated that he sees no dramatic changes on the horizon for men's fashions, not like that which happened in the '60s. He says there will be more subtle changes, like slimmed-down looks in lapels and closer fitting materials. Franzoni said that even the smallest changes in coat style affects accessories such as shirts and ties.

Franzoni says much of the Hart, Schaffner and Marx lines are designed with the general trade stores in mind, with the price structure established accordingly. The company manufactures a variety of clothes under a variety of labels. The company even produces air lines uniforms and other company outfits.

He also mentioned that current economic conditions dictate caution in design changes. Unlike women, Franzoni says, men expect a certain longevity in the clothes that they wear.

Franzoni has been with the Hart, Schaffner and Marx organization since 1968. He has 27 years experience in men's fashion design. Hart, Schaffner and Marx does about \$600 million worth of business each year, according to Franzoni, employing around 21,000 persons. The head office is in Chicago, Ill.

There is a definite difference between men's fashion likes and dislikes in Europe and the U.S., says Franzoni. Citing the Italians, he feels their idea of fashion is more open than in the U.S. "They don't mind showing off their bodies," he says. Franzoni admits that most sports clothes in Europe have evolved from American ideas and European interpretations.

Nurse shortage growing in Utah

A San Francisco consulting firm has indicated that the supply of nurses from Utah's colleges is extremely short of demand, and the shortage will become severe if the number of graduates doesn't increase.

Dr. Leon McCarrey, deputy commissioner of higher education, said the study by A.T. Kearney, Inc found Utah 600 registered nurses short of the demand in 1977. The deficit is expected to grow to 3,876 nurses by 1995, an increase of 46.4 percent. The study showed Utah with a demand for 4,322 RNs in 1977 and projected that demand would go to 6,191 in 1985 and 9,325 by 1995. During that same period the demand for licensed practical nurses is expected to increase 91.3 percent. Current supply predictions show only 10.2 percent growth. The shortage of LPNs should hit 1,329 by 1995, according to Dr. McCarrey.

The deficit projection covers all levels of nursing, except doctorate-degree nurses who are expected to exceed demand slightly.

Jean Larsen, dean of health and business occupations at the college, comments that Utah Tech admits and graduates as many students as possible, with current physical facilities a limiting factor. Since 1974, Mrs. Larsen says, capable graduates of the 12-month LPN program at the college have been able to enter the two-year associate degree nursing program offered by Weber State College through access to an extended program.

Mrs. Larsen admits that there are a number of students graduating from the college who don't end up working in the nursing profession. "It's not due to a lack of jobs," Dean Larsen says, "but mostly to marriage and interest changes." Expansion of funding, facilities,

and instruction seem to be logical considerations, says Dean Larsen.

Dr. McCarrey indicates that a number of Utah's public and private colleges and universities involved in nursing education have plans to expand the number of graduates, but the consultants believe the planned increases will not be enough to meet the projected demands. The consultants said the projected supply of both RNs and LPNs would fall 42 percent short of the 1995 demand. The needed nurses, beyond planned increases, would include an additional 213 LPNs, increasing associate degree RNs from 86 in 1981 to 447 in 1995 and graduating an additional 132 bachelor degree RNs in 1986 and another 344 by 1995.

Tuition increase for next summer

A \$7 an academic quarter tuition increase has been approved by the State Board of Regents for Utah Tech's fulltime students starting with the 1979-80 school year. The increase will put the tuition and

fee cost of going to school at Utah Tech at \$145 a quarter for fulltime students. The academic year charges for non-residents will jump from the present \$975 to \$1,053.

Solar research lab among Skills Center projects

A solar research lab being built near the Architecture Building on the University of Utah campus has caused some to call it a cooperative gesture between theoretical and practical education. Actually, it's just good economics.

The architecture department at the U. of U., through Prof. Kurt Brandle, wanted a solar research lab. Skills Center students, through Al Hewitt, Seth Ontiveros and Lou Cononelos, wanted a project to build. With a few handshakes, everyone got their wishes. The arrangement between the architecture department and the

Skills Center probably costs about one-third of what such a structure would cost if built by a contractor.

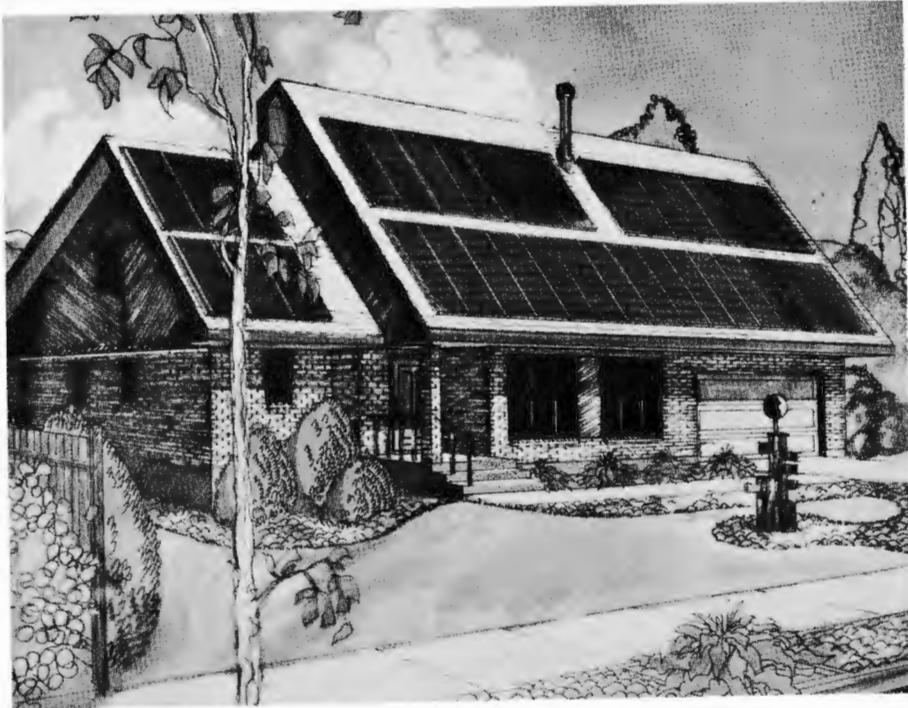
The research lab, about 25 feet long and wide, and 15 feet high, will be used basically to test solar collectors, monitor solar energy saving components and determine seasonal levels of solar energy for possible future consideration for solar energy uses and conservation methods.

Construction by Skills Center students should be finished in about two or three weeks, according to Hewitt. Eventually the lab will be outfitted with equipment and be

able to track the sun through various orientations. The lab will become an effective training aid for architecture and engineering students at the U. of U. It has been an instructional experience for about 15 Skills Center students. Hewitt, a supervisor with the Youth Community Conservation and Improvement Program, indicates that a number of projects have been given to the students. Among them are a building addition to a fire station, remodeling the Police Athletic League Building in Liberty Park, a press box for Highland High School and roofing and insulation of several low-income homes.



Solar research lab at U. of U. is tucked away near architecture building.



Student rendering of solar house shows vast heat collector system.

Solar house construction nearly 70 percent finished

Utah Tech's solar home is nearly 70 percent finished, according to Eugene Overson, division head of building construction. And Lawrence Jansen, architectural drafting instructor at the college, says it should prove that a standard tract subdivision house can accommodate solar energy equipment and solar heating benefits. The house has been built with energy saving materials, says Overson, which creates a marvelous construction experience for the students.

The house is designed to produce 70 percent of the heating function for comfortable living. The all-electric home will have student-

built solar collector panels on the roof connected to a 1,500 gallon hot water storage system and a culinary hot water system. There also is a "tram-wall" to be used for added solar heat benefits. There will be no natural gas in the home, says Overson. Overson says that plumbing, interior walls, electrical wiring and exterior brick work still are unfinished. He says he expects a lot of buyer interest in the home when it is offered for public sale next May.

Ann Erickson gets math study grant

A grant has been awarded to Ann Erickson, math instructor at the college, to study math awareness and anxieties.

It's a program conducted by the American Association for the Advancement of Science and the University of Missouri - Kansas City, with support from the National Science Foundation. Mrs. Erickson has attended a two-day session at Santa Ana College, Santa Ana, Calif., in connection with the grant. A two-day follow-up session will be offered next March. During the interim, Mrs. Erickson will develop a study to help overcome the fears and anxiety associated with learning math.

Mrs. Erickson says that many people, during their formative education years, have been urged to bypass math instruction in favor of something easier. This is particularly true with women, she says. "It's all right to dislike math," she says, "but nearly half the population has a mental block about working with numbers."

Mrs. Erickson thinks more ways should be found to teach math in a less-threatening way. More and more professions are demanding better foundations in math, she says. Mrs. Erickson thinks the grant will prove to be invaluable toward helping overcome some of the math problems facing Utah Tech students.

William Miller wins EIMCO scholarship

William Miller, drafting and design student at the college, has been awarded a two-year full-cost scholarship, including books and supplies, from EIMCO Mining Machinery in Salt Lake City.

Gregory L. Parker, programs specialist in employee relations at EIMCO, said the company wanted to sponsor a student who is committed to a career in drafting. Miller was chosen from a number of applicants in the current drafting program

New personnel hired at UTC

New personnel hired recently at the college are RALPH LITTLE, a marketing instructor; ROSELYN KIRK, a general education teacher; TOM NUTTAL, a food service instructor in the marketing department. DENISE HASSELBRING, secretary to "Ace" Martin in the automotive department and CURTIS YOUNGMAN, a new marketing instructor.

Salmond attends math conference

Lowell Salmond attended a national association of two-year colleges convention in Houston, Texas, as chairman of a hand-held calculator committee. He mentions he will suggest a number of alterations in the math lab to make study materials more accessible to students.

'Discovery '79' seminar outlines modern business

A one-day seminar designed for high school students, on a variety of business subjects, will be held Nov. 15 at the main campus. Titled "Discovery '79," the seminar will feature outstanding business teachers and industry leaders who will detail particular job opportunities and the education required to get them.

The seminar classes also will study basic management principles, investments, sales principles and customer relations. Business subjects involved are accounting, business management, data processing, food service and hotel management, real estate sales management, sales management, secretarial education and transportation management.

Principal guest speaker will be the newly appointed president of Utah Tech, Dr. Dale S. Cowgill. Luncheon speaker will be Harry Blundell, executive vice president of Utah Power and Light Co.

In addition, a number of scholarships to Utah Tech, covering costs from one quarter to one year, will be awarded to

successful applicants. The scholarship recipients will be selected through a screening committee.

Utah Tech's business department expects about 300 high school students to attend from Wasatch Front high schools.

Richard Prows named chairman of council

Richard S. Prows, president of Prowswood Land Development and Construction, has been named chairman of the Institutional Council of Utah Tech. Eugene Hafen, chairman of the board of directors of Advocates for Utah Handicapped, is vice chairman.

Other members of the newly organized council are Frances Boyden, a former member of the school's advisory board; John Rokich, a Magna lawyer; Douglas Simpson, retired employee of the Utah Department of Agriculture; F.J. (Joe) Cosgrove, a member of the state AFL-CIO executive board; John H. Klas, vice president of the Bank of Utah and Lenore Edmunds, a mental health specialist at the Salt Lake Community Health Center. Two other members of the council are Bernard Tanner, a representative of the Utah Tech Alumni Assn. and Dennis Huston, current student body president at the college.

AV typing system used

The new audio-visual type teaching equipment now operating in the secretarial training area of the Nelson Administration Bldg. offers greater learning flexibility to those wanting to acquire typing skills.

Called Audio-Visual Tutorial, the innovative system offers a typing program to regularly enrolled students and interested individuals from the nearby community. Developed by a Michigan college four years ago, but just recently funded for Utah Tech, it is the first such system to be installed in Utah. Kathryn Beebe, division head of secretarial training, says colleges that have started using the AVT system have phased-out other traditional forms of typing instruction. Mrs. Beebe says the equipment cost \$28,000, which can be expanded for use in other subjects.

PR, personnel offices to move

College Relations and Personnel offices are expected to move sometime during November to the newly remodeled Nelson Administration Bldg. Auditorium area. Five offices have been created, with additional receptionist space. Storage area also has been created above the office area. The rest of the east auditorium area will be used by the food service program.



Curtis Youngman



Roselyn Kirk



Ralph Little



Tom Nuttal



Denise Hasselbring