Boise State's future could be in hot water - geothermal hot water, that is.

His prediction is based on a preliminary study conducted by engineers at CH2M Hill which concluded it would be both technically and economically feasible to convert the present heating system in 16 campus buildings to a system that would use low temperature (170 degrees) geothermal water.

Shawver says converting to geothermal heat at BSU could save enough money to pay back the $4 million start-up costs in 10 years or less.

Use of geothermal energy in Boise, which began back in the 1890's with the drilling of two wells near the Old Penitentiary, declined considerably when low-cost natural gas and electricity became available about 50 years ago.

Due to recent energy costs and shortages, the concept of using water heated naturally beneath the earth's surface has again taken hold, and work has already begun to develop a reliable geothermal distribution system for parts of Boise.

The Boise Geothermal Project, scheduled for completion the winter of 1982, calls for the development of several new production wells and approximately two miles of new transmission mains to be buried along public rights-of-way. The pipeline closest to BSU would be located at Capitol Boulevard and Front Street.

Whether or not geothermal heating will become a reality for BSU depends on funding and "on Boise Geothermal's acceptance of our proposal to include the campus in their geothermal system," said Shawver.

At today's prices, the engineers' cost estimate to run geothermal water mains from the Capitol Boulevard pipeline to the campus and then to develop a campus geothermal water distribution system is $1.5 million. The additional cost of retrofitting the proposed 16 campus buildings, including the multi-purpose pavilion now under construction, would be about $2.5 million.

Why invest so much money in converting the present system to use geothermal water?

The answer is obvious, said Shawver. Conversion to a natural energy source would "substantially" reduce campus energy costs in the future.

In 1978-79, the university's natural gas bill was about $286,000. And Intermountain Gas Co. predicts that will increase 11-19 percent per year for the next 15 years, according to Shawver.

Because it is cheaper and twice as efficient as gas, BSU could save about $120,000 every year by using geothermal water for 80 percent of the space heating, domestic hot water heating, and swimming pool heating, the CH2M Hill report said.

Also, because the cost of using geothermal water is expected to increase at a much slower rate than natural gas, the estimated annual savings should increase even more over the years.

"There is no question about the desirability of converting to geothermal heating," said Shawver. "The problem is coming up with the necessary funding."

Shawver hopes federal funding will be available, but added there is the possibility of either getting state appropriated monies or paying back a revenue bond with the annual savings in energy expenditures.

A conservative estimate of the conversion cost's pay back time would be 10 years, he said.

Earlier this month, Shawver sent a letter to Phil Hanson, director of Boise Geothermal, encouraging him to support BSU in getting funds for the project and asking him to consider including the university in Boise's proposed geothermal system.

"What they decide will have almost absolute influence on what would be available to us. If we had a firm commitment that the supply would be there, I'm sure we could find the funding."

Geothermal heat in BSU future?

More than 1,350 Boise State seniors joined the ranks of the school's alumni association this spring, including 450 who were on hand at Commencement exercises May 18.

Sited on the Bronco Stadium turf in near 90 degree temperature, the black-robed graduates heard talks from BSU president John Keiser, State Board of Education representative Janet Hay, and student representative David Clark before marching single file before the rostrum to receive their degrees.

Speakers were as bright as the weather as graduates acknowledged cheers from proud families and friends. One physical education graduate went out in style by racing down the center aisle and turning a mid-air flip, while construction management seniors donned orange hard hats instead of traditional black mortar boards.

In his welcome address, Keiser told the audience that the faculty of Boise State University considered you for degrees with the belief that education is the hope of mankind in the sense that there is something better than corruption and violence for righting the world's wrongs.

"We like to think that education is truly synonymous with civilization."

Hay outlined the financial problems facing higher education in Idaho, and urged the graduates to become involved in decision-making.

"I wish you will not only have children of your own in our schools and colleges-you will most probably find yourselves at some time or other teaching or updating skills, studying to change professions, or studying to satisfy a personal interest. You are the key to the state in the quality of Idaho education all of your lives."

In his turn at the dias, Clark, who was BSU's student lobbyist in the legislature last year, urged better understanding and cooperation among the university community.

"We are fortunate in having several projects and major building projects, for the administration, the faculty, and the students to be seeking support among the community.

BSU also used the occasion to single out Florence Miles and Dr. John Swartley for Silver Medallion awards.

Miles, who came to BJC in 1955 to begin a nursing department, is retiring after 25 years.

Her long career at BJC, Boise College, Boise State College, and Boise State University has touched the lives of literally thousands of people in the Treasure Valley through her work with patients, colleagues at both the university and health service staffs of many organizations," Keiser said.

Swartley left the State Board of Education last March after serving for 10 years. A Boise physician, Swartley has also been active in local and state medical associations and served as chief of the medical staff at St. Luke's in 1971.

"For ten years he has served unselfishly and given so much time and consideration to education matters it is remarkable."

"He has given special consideration to Boise State concerns having served on the executive committee for this institution several years. He is truly a friend of education generally, and to Boise State in particular," Keiser said.

Summer session opens

The 1980 summer session at Boise State University will contain over 360 courses broken into two five week sessions and eight 10 week blocks of classes.

Registration for the first five week, eight week, and ten week sessions will be held Saturday, June 7 from 8 a.m. noon in the BSU gym.

Classes begin June 9. The second five week session begins July 14. Costs are 30 per credit hour for undergraduate courses and $32.50 per credit hour for graduate courses.

This year BSU will offer 71 special workshops that range from business and educational tours of Mexico to a geological expedition in Yellowstone Park.

About 50 courses and workshops will be offered on education topics, including the use of newspapers in the classroom, nutrition, conservation education, and law for the teacher.

Summer school course schedules can be picked up in the BSU registrar's office, and more information about courses can be obtained at the Office of Continuing Education and Summer Sessions in the library, phone 865-3289.

BOISE STATE'S first graduates in construction management gave May 18 commencement ceremonies a different twist when they donned bright orange hard hats after receiving their degrees. Scheg photo
Seven BSU departments change leaders next fall

Several Boise State University academic departments will be under new leadership after an unusually heavy turnover of administrators this spring.

Next fall there will be seven new department chairs, six from arts and sciences and one in health sciences.

Changes will occur in:
- Sociology — Max Pavesic will replace Martin Scheffer, who resigned to return to teaching.
- Math — Bill Mech resigned his chair position to devote full time to the Honors Program and his duties as president of the National Collegiate Honors Council. He will be replaced by Charles Kerr.
- Theatre Arts — Student Union director Fred Norman will replace Robert Ericson, who will return to full-time teaching and directing in the department. Norman’s successor as SUB director has not been chosen.
- Military Science — Major John Walther has been reassigned to duty in Panama. His replacement has not been named yet.
- Biology — Robert Rhybert will assume the chairmanship from Russ Gentanni, who will return to full-time teaching.
- Geology and Geophysics — Monte Wilson will begin his first academic year as department chairman after taking over in January from Jim Applegate, who left for a new position in Colorado.

Allied Health Studies — Biz Profit will serve as acting chairman for one year while Conrad Colby is on sabbatical leave.

Associate dean Rolando Bonachea of arts and sciences will also leave this year to become dean of arts and sciences at St. Louis University in St. Louis, Mo. His position will not be filled, according to BSU dean William Keppler.

Another new face on campus next fall will be Dr. Donald He alas, who will serve as dean of the Vocational-Technical School. The director’s position in that school was upgraded to dean last winter.

Hunt’s freshman class profile was compiled using information from 731 students who submitted ACT test scores and enrolled at BSU last fall.

It reveals that BSU freshmen are very close to national ACT text and grade point averages in high school.

A typical freshman, at BSU last fall, had an ACT composite test score of 18.6, compared to 18.7 nationally. The BSU students’ grade point in high school was 3.0, the same as the national average.

Scores for BSU students were higher than the national average in English, social studies and natural science. They were lower in math.

The 1979 freshmen also held their own or were higher than the 1979 BSU freshmen in all categories except math.

The study also points out that freshmen who expect to find college study considerably easier than it really is.

At the time of the testing, students said they expected to earn a first-year grade point of 2.9. But the actual grade average that the academic students received last fall was 2.4 for men and 2.51 for women.

BSU grads seek degrees

Leading the Boise State University Class of ’80 in search of further education are five graduates who have been admitted to medical schools:

- Robert Blumberg and Ronald David Wells have been accepted into the University of Washington Medical School.
- Microbiologist Robert D. Barriatua is currently serving as director of the National Institute of Immunology.
- Anesthesiologist Vanessa Lee Reed will enter the master’s degree program in physical therapy at Texas Women’s University, Houston, and
- Julian Mariscal will attend the University of California, San Francisco, School of Medicine, University of California, San Francisco.

Several other BSU students have announced their acceptance into graduate schools:

- William W. Calhoun has been accepted by the University of Houston.
- Richard D. Howes will attend the University of Michigan, University of Oregon, and
- Donald Howes will attend the University of California, San Francisco.

Tommy C. Yee has been accepted into the College of Dental Surgery at the University of Washington.

Psychology major Loralee Lawson will enter the Ph.D. program in counseling psychology at the University of Minnesota this fall, and

Brian Brown has been admitted to the school psychology graduate program at Texas A & M University.

Nearly 60 percent of the students said they were “very sure” or “fairly sure” of their educational major. Nearly one-third wanted to continue in graduate school as a professional degree.

Students also were frank in admitting their need for help once they arrived on the college scene.

Fifty-four percent said they needed help in one or more of the four categories identified in the study. Nearly half said they could use more personal counseling, and one-third expressed a need for help in reading and study skills.

Another 41 percent wanted help in all four categories.

The study also showed that most BSU students must either work or get financial aid while attending school. Sixty-two percent said they wanted a job during the school year. Another 63 percent expected to apply for financial aid.

Frosh like academics, low cost location

Several Boise State University academic fields, low cost, and location, in that order, are the main reasons why freshmen last year enrolled here, according to a statistical report just released by Dean of Admissions Dr. Robert Hunt.

The report said 45 percent of the freshmen who came to BSU in the fall of 1979 were attracted to BSU’s fields of study. Another 22 percent came because of the location and 20 percent came because of the low cost.

Hunt’s freshman class profile was compiled using information from 731 students who submitted ACT test scores and enrolled at BSU last fall.

It reveals that BSU freshmen are very close to national ACT text and grade point averages in high school.

A typical freshman, at BSU last fall, had an ACT composite test score of 18.6, compared to 18.7 nationally. The BSU students’ grade point in high school was 3.0, the same as the national average.

Scores for BSU students were higher than the national average in English, social studies and natural science. They were lower in math.

The 1979 freshmen also held their own or were higher than the 1979 BSU freshmen in all categories except math.

The study also points out that freshmen who expect to find college study considerably easier than it really is.

At the time of the testing, students said they expected to earn a first-year grade point of 2.9. But the actual grade average that the academic students received last fall was 2.4 for men and 2.51 for women.

BSU grads seek degrees

Leading the Boise State University Class of ’80 in search of further education are five graduates who have been admitted to medical schools:

- Robert Blumberg and Ronald David Wells have been accepted into the University of Washington Medical School.
- Microbiologist Robert D. Barriatua is currently serving as director of the National Institute of Immunology.
- Anesthesiologist Vanessa Lee Reed will enter the master’s degree program in physical therapy at Texas Women’s University, Houston, and
- Julian Mariscal will attend the University of California, San Francisco, School of Medicine, University of California, San Francisco.

Several other BSU students have announced their acceptance into graduate schools:

- William W. Calhoun has been accepted by the University of Houston.
- Richard D. Howes will attend the University of Michigan, University of Oregon, and
- Donald Howes will attend the University of California, San Francisco.

Tommy C. Yee has been accepted into the College of Dental Surgery at the University of Washington.

Psychology major Loralee Lawson will enter the Ph.D. program in counseling psychology at the University of Minnesota this fall, and

Brian Brown has been admitted to the school psychology graduate program at Texas A & M University.
Education faces changing values, lack of relevance

By Jerold R. Miller

Education is a complex of people, buildings, courses, curricula, and assorted other things. It is hardly a unified, steerable entity. It is moved fitfully, if at all, and to attempt to assess where it is at any one time is only slightly less difficult than trying to “fine tune” it into a new or different position.

The theory is that over the past few years a changing sense of values has led educators to a great number of universities, including Boise State, to change their priorities in directions that appear to make education less relevant to student needs.

During this period there has been a substantial shift in emphasis from teaching to research, from practice to theory, and from practical experience to publication.

After World War II, there was an abundance of students and funds, and as far as business graduates were concerned, an abundance of jobs waiting for their graduates. It was also during this period of time that many of our courses to student needs. It appears that at present the master teacher must be free. I would prefer that the status symbols such as yearbooks, special fees, diplomas, honor rolls, and dean’s lists. Also get rid of all the status symbols such as assistant professors, executive vice presidents, and academic deans. Burn all diplomas, cancel all graduation ceremonies—in other words, give the master teacher the time to perform his function, that is, education of the mind.

Just what is teaching? Teaching has something to do with the education of man. It appears that the flaw in our system is that the master teacher must have—they are a commitment to the truth and a genuine concern for others. He may be a dreamer, but he doesn’t live in a world of dreams. The master teacher must have an inexhaustible supply of concern. Once that concern is there, all you have to do is refine it.

I mentioned before that the period of time after World War II had to lead to greater freedom for teachers. I would hope that this freedom is never infringed upon. The master teacher must be free. I would prefer that the criminal justice system seem to produce criminals, an age which is running out of fuel; an age when reproach written by Charles Peguy some years ago when he was examining personal commitment and credibility. He said:

The worst of partialities is to withdraw oneself. The worst of ignorance is not to act. The worst lies to steel away. We encourage you to use your lives to develop both your inner worlds, to apprehend beauty, and to give and receive love—the best way to justify the preciousness of your being. We dream for you breathe. Understanding that you mean to be what you are, we, the faculty and staff of Boise State University, stand proudly with you at your commencement.

Education faces changing values, lack of relevance

By John Kilsner

President, Boise State University

Good words at graduation

Those who weren’t at the Boise State commencement ceremonies May 18 missed a gem of a speech by State Board of Education president Janet Hay. Hay used the occasion to point out the problems that face education in Idaho as budgets stretch tighter and tighter. But the talk was more than a litany of ills in higher education that have already been diagnosed. Hay also talked about a remedy to cure those ills.

First, the problems.

“As you know,” Hay told graduates, “because of the 1 percent initiative, Idaho education is coping with revenue increases well below the rate of inflation.

“We are simply being asked to do more with less, to provide more years of training for people with fewer dollars. This is juggling, but it is beneficial up to a point—it stimulates ingenuity and builds management skills.

“But we are very near the point where obsolete equipment, deferred maintenance, inadequate library acquisitions, and loss of many fine faculty will inevitably diminish the quality of education, and no sight of hand will be able to stop it.

“If the quality of our schools and universities is to improve—or hold its own—it is going to require more money or it is going to mean a significant reduction in the number of students served and programs offered. It was a sobering message, especially on a bright graduation day. But Hay also had a remedy.

She believes that their concern for Idaho education won’t end with the ceremony they were attending. As parents and professionals, they will continue to have a personal stake in quality education all their lives.

“We invite you as citizens of the state and graduates of one of its universities to become involved in the decision-making process,” she said.

That is a sound piece of advice from a State Board president who has no qualms about lobby bearing hearing and attending important meetings where the public was conspicuous by its absence.

It was also sound advice for graduates of a university that receives a slice of the state’s budget pie that is too thin by any comparison. Participation in the decision-making process probably was the furthest thing from anybody’s mind on a day of celebration. But participation is exactly what is needed if educational quality is to remain high.

Education needs the Class of 1980, and all those that went before it... as vocal, year-round advocates. Who is better prepared to talk about the issues you examined in an academic setting in the last several years? You have heard that we live in an age which has prolonged the life span but found it impossible to deal creatively with the years it has salvaged; an age in which the criminal justice system seems to produce criminals, an age which is witnessing the decline of the family and the institution of marriage as well as an increase in child abuse.

An age of industrialism and productivity which cannot eliminate poverty; an urban age presided over by dying cities; an age in which you breathe. Understanding that you mean to be what you are, we, the faculty and staff of Boise State University, stand proudly with you at your commencement.
Alums tour Salmon

The Salmon, second largest gorge on the North American continent, has become known the world over as a unique and historic setting for wilderness adventure.

BSU alumni can experience that wilderness on a tour that begins with a morning flight from Boise to Salmon in a Mackay Bar plane. Ground transportation is provided to Crock Creek, the put-in site of the float trip. The next 3 days and 2 nights are spent on the river where guides will set up camp. Alumni will be able to enjoy a variety of activities, including hiking, fishing, and swimming.

The Boise State University Alumni Association offers the trip for a total cost of $599. Early bird count prices are four, five, and six day trips. Starting dates are: June 11, 19, 27, July 6, 13, 21, 29, August 6, 14, 22, 30 and September 7.

Alumni can contact Mackay Bar Corporation at toll free number 1-800-635-5396 and identify themselves as BSU alumni to be eligible for the discount rate. Guests are also welcome.

Officers announced

The Boise State University Alumni Association announced its 1980-81 officers and board of directors at the annual meeting held May 10. The new officers include: President, Doug Simmons; 1st Vice President, Susan Eby; 2nd Vice-President, Jim Harris; Secretary, Cindy Mahler; Treasurer, Tom Moore; Ex Officio, Art Berry; Past President Rep., Dave Crotz; University Rep., Dave Lambert; and Student Rep., Sally Thomas.

Directors are Ron Stephenson, Dean Tuley, Jim Broich, Allen Dykman, and Gail Heist.

Regional directors include: Gary Likkel, Gresham; Dennis Allen, Portland; Dennis Ward, Twin Falls; Tracy Miller, Idaho Falls; Joyce Tennyson, Post Falls; Greg Charlton, Lewiston; Jim & Peggy Countryman, Coeur d'Alene; Mike & Lynn McCarthy, Lake Oswego, Oregon; Dan Riley, Seattle; and Patience Thorsen, Burbank, Calif.

Deaths

Former Boise State College student, Shirley Ellen Sheesley, 52, died of natural causes at home on April 15.

Margaret L. "Peggy" Middleton, 27, died March 22 in Boise. She attended Boise State University and worked for several years on The Arbiter.

Jobs

Gooding County Commissioners voted to appoint Bob Giesler, the Assessor, Brent Giesler, as the new County Assessor. Giesler has worked in the Assessor's Office since 1977. He is a 1977 graduate of BSU with a B.A. in business administration and real estate appraisal.

Tom Williams, a 1979 graduate of BSU with a B.A. in business administration, has been appointed comptroller with the Idaho Central Credit Union.

Celia Gould Folkings, Buhl, has accepted the position of regional campaign director for the Idaho Committee to Elect Ronald Reagan.

Tom Folkings, a graduate of BSU with a B.A. in political science and a past senator in AIBSU government, has been appointed comptroller with the Idaho Central Credit Union.

Leonard Bate, a BSU graduate in business administration, has been appointed assistant manager of the McCali branch of the Idaho First National Bank. Bate joined Idaho First in 1976 as a management trainee in the bank's Caldwell office.

A $200,000 building to house the Karcher Academy of Gymnastics and the Anita Damiano Kennedy School of Dance is under construction in Nampa. Rick Bonnell, proprietor of the academy, said his business will be the first private gymnastics club in Canyon County.

Bonnell, 24, has been coaching gymnastics about seven years and is a coach at the College of Idaho. He was president of the BSU Gymnastics Club in 1977.

After fifteen years as an employee of the Idaho First National Bank, Nancy Heitner has been named Executive Assistant to V. Dale Bickelstaff, Executive Vice President in charge of Asset and Liability Management. She is a graduate of Boise Junior College with a degree in secretarial science.

Patty Shell has joined Commercial Brokerage Company as their Retail Sales and Leasing Specialist. A Boise native, Shell attended Boise State University where she majored in economics and finance and graduated with a B.B.A.

Peter M. Bolz, a 1970 alumus of BSU, has been a principal in Nevada for the past two years and recently accepted the position of superintendent of schools in Culdesa, Idaho, for 1980-81.

Doug Mares (76, Social Work) has graduated from Eastern Washington College with a masters degree in social work, specializing in children. He currently resides in Milton-Freewater, Ore., where he is employed by Child

Alumni In Touch

By Denise Carmean

BSU News Bureau

Even a common utensil becomes a work of art as function fuses with artistic expression under the hammer of Boise metalmesh Tom Oakes.

A free-form silver punch ladle made by Oakes, a 1976 graduate of Boise State University, brought his skill and artistic talent to national attention recently when it was selected for exhibit in the Young Americans national show held Apr. 18 through March 16 at the American Craft Museum in New York City.

The national competition, sponsored by a grant from the National Endowment for the Arts, featured metal as an art medium and featured works by young Americans between the ages of 18 and 30. About 575 artists from 40 states submitted entries to a jury of distinguished metalsmiths that included Alma Eikerman, Mary Lee Ju; and Albert R. Paley.

Oakes, who was one of Boise State's first students in metalsmithing, was the only Idahoan represented in the show, which included works by 18 artists from 32 states.

His ladle was also chosen by a second jury for a smaller exhibit of the same show that will tour nationally this year.

Oakes said he originally wanted to be a painter but he changed his mind after taking a beginning metals course taught by art instructor Don Douglass in 1972, the first year the class was offered by the BSU art department.

"I found I preferred the resistance of metal and the technical challenge of making it do what I want it to do," said the young artist-craftsman.

After graduating from BSU, Oakes went on to study metalsmithing at the Cranbrook Academy in Detroit, Mich., where he received a Master's of Fine Arts degree in 1979.

At Cranbrook, where he learned and perfected the traditional "Old World" skills of metalsmithing—including raising, stretching, forging, and hammering—Oakes would sometimes spend as much as ten hours a day at his workbench.

"Metalmeshing is a very slow process when it's done traditionally and it can demand a lot of discipline," he said, adding that it can take a metalsmith weeks to make a small spoon that can be turned out of a factory in under four hours.

Most metalworking techniques involve the use of the hammer in one way or another, according to Oakes who estimates he puts in about 60 to 70 hours of hammering into his award-winning ladle.

Continued on page 5

Metalmesh fuses art, function

Nancy Williams became the bride of Dennis McGrew on March 8 at Deer Flat Free Methodist Church in Caldwell. The bride is now employed with Dr. Ralph Francis in Nampa at an orthodontic assistant. The couple is making their home in Meridian.

Dean Gayner and Rhonda L. Anthony were married March 15 in Klamath Falls. The bridegroom earned a degree in finance from BSU and is presently a management trainee with First National Bank in Klamath Falls.

March 22 was chosen as the wedding day for Cheri Deanne Reiningser and Sherman E. "Buck" Newman. The bridegroom is employed by Food Drug Store.

Following a wedding trip to the Oregon and Washington coasts, the couple is making their home in Kuna.

Daniel Cano and Terri Kebbes were married March 29. The bride is a graduate of the BSU practical nursing program. Her husband is self employed.

Geri Michelle Steele became the bride of Thomas Carl Ferguson on March 29. The newlyweds are living in Oak Harbor, Whidby Island, Washington.

Douglas James Burch and Terri Lynn Massengale were married March 29 and are making their home in Boise. The bridegroom is employed by Miller-Stephan and his wife works for the European Health Spa.
Retired professor recalls nursing start

By Larry Burke
BSU News Bureau

Student nurses in their starched, bright white uniforms may be a common sight on most college campuses today, but a Boise State professor remembers a time when nurses were regarded as interlopers in the abstract world of academe.

Miles, who is retiring this spring after 25 years at Boise State, is one of the national pioneers who brought nursing education out of the hospitals and onto the college campuses.

Relaxing in her office with her long cardigan and her long dark hair, she remembers the hurdles that were cleared in those early days.

"It was like a bolt of lightning hit the scene to start an associate degree program," she says. "As the new kid on the block, and being by a woman no less, nursing was often on the short end of the administrative and budgetary decisions in its early days."

"It was a little hard for the community to accept. We had two problems. We moved nurses to a college setting and we shortened the program from three to two years."

"Health workers didn't like it out of the hospital because they would lose control of student nurses. The faculty here presented nursing because they thought it should be taught in a hospital," she says.

As the new kid on the block, and being by a woman no less, nursing was often on the short end of the administrative and budgetary decisions in its early days.

"Attitudes were slow to change... many people felt the college was spending money on nursing that could be spent elsewhere," Miles said.

She laughs when she talks about her first big budget request, which was $2,300 for beds and other equipment needed to get started.

"It was like a bolt of lightning hit the college. I got that, but little more for the next 10 years."

Even though it seemed at times like she alone was pulling the new program up by its bootstraps, Miles says she had enthusiastic support from President Eugene Chaffee, the top St. Luke's administrators, and the boards of both organizations.

"It took a long time to gain respect. The breakthrough began 5-10 years after the program started," she says.

"In the beginning, the nursing faculty felt nurses weren't supposed to know anything...there wasn't any point asking a student nurse because management wouldn't know the answer. That's now proven to be wrong."

The early labors of Miles and the other teachers in the program, which was then housed in the biology department, bore fruit. About 210 majors are enrolled in the program today, making it the largest supplier of nurses in the state.

BSU now offers a baccalaureate degree in nursing, and graduates literally dot the globe.

"The movement of nursing education away from hospitals in the 1950's is one big reason why nurses are more independent today, Miles thinks.

"Students now are more capable of expressing their points of view and are more individualistic. When hospitals were training nurses, they kept only the types of students they could control, she explained.

"Nursing is a field that is changing rapidly. The old stereotypes about bedpans and band-aids have been long discarded, Miles adds."

"Among the trends for the future, she foresees the expansion of the nurse practitioner role. Many will set up independent offices to educate people on drugs, nutrition, and other health needs."

As doctors become busier, nurses will become important as interpreters between patients and doctors. And Miles says more nurses will receive the doctorate degree in the future.

"Miles served as chairman of nursing until 1972. After that, she was responsible for obtaining a federal Health, Education and Welfare grant that paid for classrooms, labs, and offices now occupied by the associate degree program. She also designed the facilities."

She has also consistently been rated by students as the best teacher in the associate degree program.

Retirement has brought several awards, including a Silver Medallion for service to BSU and emerita status from the Faculty Senate.

Now she says she will finally have time to do the things she has put off for several years. First on the agenda is a trip to Europe. Then will come some volunteer nursing work, and she may write a history of the nursing department at BSU.

Metalsmith alumnus

Continued from page 4

For the curved bowl of the ladle, a thin, flat piece of silver was hammered over a steel anvil. Developing the silver around the form of the anvil while hammering from various angles, Oakes was able to obtain the exact shape he desired. The ladle's looped handle was made from a six-inch silver bar that was hammered and stretched to almost three times its length.

Business discipline and an expertise in basic skills, metalworking also requires a sharp sense of design and a knowledge of each metal's limitations, said Oakes.

"Metalsmiths are a lot like engineers, except the scale we work in is much smaller, and the welds and operations on our own from start to finish," Oakes said.

Oakes adds that he doesn't even start working on a metal object until he has drawn out a detailed design, just as an engineer would draw out the plans to a bridge before starting construction.

"Drawing what you have in mind works out the bugs," he said. "That way you don't find out when you're half-way through that your idea is technically impossible for the metal you're working with."
They faced unusual challenges

Grad clears hurdle

By Denise Carsman
BSU News Bureau

The path toward a college education is normally strewn with obstacles, but Boise State University student Bruce True had to face an especially high hurdle along the way—polio.

Although the BSU senior had to change his pace a little, he still finished at the top of his class as he and 1,300 other BSU students graduated May 18.

Besides winning the annual Wall Street Journal Award for being the most outstanding graduate in the BSU School of Business, the son of Mr. and Mrs. Robert True, Caldwell, has also been awarded a fellowship in economics by the University of California, Los Angeles (UCLA).

It was in the middle of his sophomore year that Bruce was stricken with a rare form of polio. His four-month bout with the crippling disease forced him to drop out of school in the spring of 1977, leaving behind five incomplete courses and an academic career in limbo.

According to Donald Billings, BSU economics professor, "Bruce wasted no time in returning to pick up where he left off."

Although he’s now able to get around with the help of crutches, Bruce had not fully completed his rehabilitation and was still confined to a wheelchair when he returned to BSU less than a year after he had contracted the disease.

Bruce feels returning to school as a handicapped student was probably most difficult psychologically.

"At first you feel as though you’re looked at and treated differently, when actually you like to be treated as much as possible like anyone else."

Another problem, he says, is that people tend to over dramatize.

"People talk like I’m tremendously courageous or something, but I think I did what most people in my situation would have done," he says matter-of-factly.

Nevertheless, Billings, who is also Bruce’s academic advisor, says he couldn’t help admiring Bruce’s spirit.

‘There’s no question it took a lot of determination on his part, and it’s that same determination that has made Bruce the student he is today.”

Continued on page 10

Commuter flies daily for long distance diploma

This year’s graduating class at Boise State University was filled with commuter students who routinely drove from places like Mountain Home, Caldwell, or Nampa to attend class.

For their degrees, they faced unusual challenges. But none will have quite the travel legs of Steve Hodson, who has for the last five semesters made a daily hop-sotch from Pocatello to attend BSU.

Hodson approaches the 420 mile cross-state commute with the calm of a Boise student who lives next door to campus.

"It’s all in a day’s work ... I’ve got to be here anyway," he says, almost with a yawn.

In a way, that’s true. It is his work, not scholarly pursuits, that brings Hodson to Boise in the first place.

The 32-year old, a pilot for Idaho Bank and Trust, carries cancelled checks, correspondence, and company officials between Pocatello and Boise every day.

He arrives in Boise by 9 a.m., and leaves for Pocatello by 5 p.m. And while he’s been on the ground, he has spent his time on the Boise State campus working toward the general business degree that he received May 18.

Time out in a day’s work ... I’ve got to be here anyway,” he says, almost with a yawn.

In a way, that’s true. It is his work, not scholarly pursuits, that brings Hodson to Boise in the first place.

"Historically, it’s been very reliable, very mundane," he says, obviously at ease in the jet age.

His unusual academic home has caused a few good-natured barbs from his friends in Pocatello, including a neighbor.

"I know people my age who make a career out of playing bridge. I didn’t want to do that or sit in a rocking chair. I took a look at my credits and decided to go to school.

"I know people my age who make a career out of playing bridge. I didn’t want to do that or sit in a rocking chair. I took a look at my credits and decided to go to school.

The return to college wasn’t too difficult, mainly because she studied something she loves, she says.

"Age, she states, simply never has been a factor. ‘You’re never too old to learn’, she says.

Bruce feels returning to school as a handicapped student was probably most difficult psychologically.

"At first you feel as though you’re looked at and treated differently, when actually you like to be treated as much as possible like anyone else."

Another problem, he says, is that people tend to over dramatize.

"People talk like I’m tremendously courageous or something, but I think I did what most people in my situation would have done," he says matter-of-factly.

Nevertheless, Billings, who is also Bruce’s academic advisor, says he couldn’t help admiring Bruce’s spirit.

‘There’s no question it took a lot of determination on his part, and it’s that same determination that has made Bruce the student he is today.”

Continued on page 10

Green gets English degree after 57 year language study

By Larry Burke
BSU News Bureau

It took her some time ... like 57 years ... but Mary Catherine Green finally has her prized college degree in English after graduating from Boise State May 18.

The 78-year old began her studies in 1923 at the University of Idaho, where she earned the 11 credits needed to become certified as a teacher. Several career changes and a retirement later, she decided to get serious about college and came back to BSU in 1978.

The degree in English actually puts the official stamp on her life-long study of language and literature. She has written poetry for 67 years and currently serves as president of the Gem State Writers Guild.

Her love of the language keeps her young, she says.

"It’s like the sound of words, the rhythm and music that is in poetry," she explains.

Throughout her life, she has never been too far from a stack of books or a classroom. She taught school in Idaho before serving as a children’s librarian for 21 years in New York and Boise. She also organized the bookmobile program in Salem, Oregon, and has taken courses at universities in Spain, Puerto Rico, and New York.

But she really got serious about her degree just two years ago when she attended a writers’ convention in Portland and was inspired by a speaker who told the audience that everyone should have a goal in life.

"I know people my age who make a career out of playing bridge. I didn’t want to do that or sit in a rocking chair. I took a look at my credits and decided to go to school.

"I know people my age who make a career out of playing bridge. I didn’t want to do that or sit in a rocking chair. I took a look at my credits and decided to go to school.

The return to college wasn’t too difficult, mainly because she studied something she loves, she says.

"Age, she states, simply never has been a factor. ‘You’re never too old to learn’, she says.

Bruce feels returning to school as a handicapped student was probably most difficult psychologically.

"At first you feel as though you’re looked at and treated differently, when actually you like to be treated as much as possible like anyone else."

Another problem, he says, is that people tend to over dramatize.

"People talk like I’m tremendously courageous or something, but I think I did what most people in my situation would have done," he says matter-of-factly.

Nevertheless, Billings, who is also Bruce’s academic advisor, says he couldn’t help admiring Bruce’s spirit.

‘There’s no question it took a lot of determination on his part, and it’s that same determination that has made Bruce the student he is today.”

Continued on page 10
Debate on draft registration 'healthy' 

By Larry Burke

President Jimmy Carter's plan to register women for the draft may be in the Congressional deep freeze for now, but two Boise State officials say debate on the issue has been good because it publicized the role women play in today's armed forces.

"It is an issue that needed to be addressed," says Major John Walther, commander of the university ROTC unit.

"A lot of people forget the important role women have played ever since the Revolution," adds William Keppler, dean of arts and sciences, and Idaho civilian aide to the Secretary of the Army.

Carter's plan in early January to register all draft-age citizens stirred controversy about women and their role in the military, especially when the discussion turned to their place in combat.

Women are now safe from any new draft plans, but they are far from safe. But they will continue to play more important roles in the military, drafted or not, says Walther.

"I've had experience with women in traditional and non-traditional jobs. Quite frankly, in most cases they perform as good or better than men," he says.

Walther adds that he has to look only as far as his own ROTC unit at Boise State to back up that statement.

Jim Jenneen, now on active duty at Ft. Sill, Oklahoma, is one of eight commissioned to serve in a missile unit.

Another, Donna Poches, graduated at the top of her class in aircraft electronics, and was one of the first women to enter that field in the Idaho National Guard.

In sheer numbers alone, the influence of women in the military is far greater than ever before.

This year about 61,000 women are in the military, eight percent of total strength. Defense officials hope to increase the number of citizens-stirred controversy to 98,000 women in the next five years.

Just ten years ago only one percent of the military was female.

The number of officers will also increase as women take on more decision-making roles. Women are currently enrolled in 275 of the Army's 279 ROTC units college campuses. Female ROTC enrollment was up 1,000, and rose to 4 West Point classes now include women.

Women are enlisting in record numbers, like the day a woman is expanding career opportunities. No longer are they confined to traditional jobs such as education.

The definition of combat has been narrowed, which has opened up several job classifications that were previously closed to women. Now women can be on the front lines in support roles, but still can't serve in close order combat jobs such as the field artillery or infantry.

The end of job discrimination is a good sign, thinks Keppler.

"If they are going to be involved, they may as well play an important role. In the nuclear age, that weapon is not smart enough to tell whether a man or woman pushes the button," he says.

Women join for jobs, travel, education

The all-male bastion once proudly known in commercials as 'this man's Army' is quickly changing as women enter the military in record numbers.

The reasons they join are as varied as the recruits themselves. But basically women are attracted to the military for the same reasons as men: employment, education, and travel.

"Women have more opportunities in the military than ever before. Their role is better defined...no longer are they regarded as second class citizens, and they receive equal pay, which is not always true in civilian life," says arts & sciences dean William Keppler, who is also the Idaho civilian aide to the Secretary of the Army.

Boise State's Reserve Officer Training Corps (ROTC) unit is 25 percent female. Some plan to complete their four years and enter the military as commissioned officers. Others joined to sample a slice of military life.

The new career opportunities that await women in the military are nothing compared to education in the military. Donna Poches, a BSU math major, is one who found a new career in the military. She was the first woman in Idaho, and only the fourth in the nation, to be trained in aviation electronics.

Now she repairs electrical and radio equipment for the Idaho Air National Guard.

"Things open up so much quicker if you are a woman. I picked aviation because I didn't want a desk job. Even women don't realize all the opportunities they have in the military," she says.

Anita AILee is "trying out" ROTC, but isn't certain if she will continue long enough to be commissioned.

AILee is no stranger to military life. Her father served for 36 years, and she has gone to 14 different schools across the country.

"The Army offers a unique opportunity because they train you when you are already in service," she points out.

"But I won't go in if training in electronics isn't available."

Career training is also what motivated Madeleine Huu, a science student, to join ROTC and the National Guard.

Now she is working with the Guard's public relations unit, learning new skills in layout, design and photography.

She is an expert on military life.

"I like the self-discipline, the feeling of accomplishment. That is more important than the material benefits," explains AILee.

"The Army is too big an organization to take every individual by the hand. You have to grasp the opportunities that are there...you have to have initiative," adds Sandy Fichter, who plans to make a career out of the Army after getting her ROTC commission at Boise State.

"I've developed a lot of self-discipline and group cooperation.

"It turned into a really pride thing...I'm really proud of it," says Poches.

In Music

Wilber Elliott traveled to Pocatello to judge choral and vocal soloist during the District Junior High Music Festival held at Nampa on May 3. He also judged bands during the Boise Public Schools All-City Music Festival May 8-10.

Melvin Shelton was a bands judge during the District Junior High Music Festival held at Nampa on May 3. He also judged bands during the Boise Public Schools All-City Music Festival May 8-10.

Shelton attended the College Band Directors Northwest Conference at the University of Oregon in Eugene. Shelton was a companion to the BSU student band members Doug Spangler, Dawn Davis, Andy Flannigan, Bob Greene, Phil Hines and Barry Logan.

Steuart attended the College Band Directors Northwest Conference at the University of Oregon in Eugene. Shelton was a companion to the BSU student band members Doug Spangler, Dawn Davis, Andy Flannigan, Bob Greene, Phil Hines and Barry Logan.

Shelton also conducted clinic performances for the music department at Horseshoe Bend High School, the combined on Meridian Junior and Senior High School bands.

Madeleine Huu performed in a benefit concert for the BSU piano accompaniement scholarship sponsored by the Unitarian Universalist Church April 20.

Dr. John Baldwin was recently appointed regional coordinator for Music Bowls, a national marching band competition.

In Health Sciences

Bex Profit has been elected president-elect of the Idaho Society of Biomedical Technologists and Tom Kraker, association vice president for 1980-81. Profit also received the association's Jean M. Macahee memorial award honoring him as Idaho radiologic technologist of the year.

At a recent state convention of the association held in conjunction with the Northwest Conference of Radiologic Technologists in Spokane, the BSU Tech Bowl team defeated Idaho State University for the third consecutive year. Team members were captain Karen Loyal, Bob Stoker, Lauri Richardson, Bill Rowles and Britt Lewis.

Dr. Eldon Edmundson, Jr. attended a May 6 workshop in Columbus, Ohio as a consultant to the U.S. State Department for educational pamphlets on sanitation methods for developing countries.

Edmundson also gave the opening remarks for the annual conference of the Idaho Public Health Association in Pocatello May 7, and addressed a March meeting of Idaho Environmental Health Association in Boise.

In Art

John Takehara has been invited to display his work with a two year travelling exhibit which will be distributed by Visual Art Resources at the University of Oregon, Eugene. The Ceramics Eighty show will be displayed first at a reception June 12 sponsored by the Oregon State University crafts center.

On Staff

Debi Martin was elected to the board of directors for the Northwest Region of the College and University Personnel Association at its regional meeting in Spokane April 24-25. Boise will host next year's conference.

Jaye Buser was recently appointed vice chairperson of the Ada County United Way allocations committee and will serve as next year's chairperson.

Joelyn Fannin attended two Council for Advancement and Support of Education conferences on catalog design and the marketing approach to publications in Seattle May 12-14.

Steve Maloney, director for the BSU Center of Data Processing, has been elected the 1980-81 treasurer of the Idaho Intermountain chapter of the Association for Systems Management (ASM). Maloney is also chairman of the chapter's scholarship committee.

In History

Dr. Charles Odahl attended the Rocky Mountain Medieval and Renaissance Association (RMMRA) conference at the University of Northern Colorado, Greeley April 18-19. There he was elected to the RMMRA board of governors.

The 10th Annual Sign on Constantine's Shields at the Battle of the Mulvan Bridge." The paper has been accepted for publication in the January, 1981 issue of The Journal of Medieval and Renaissance Studies.
As far as money matters are concerned, it's been a schizophrenic year for KAID, Boise State University's public television station.

First, in March the legislature's budget-setting committee nearly voted to cut the state funding for public television, which would have pulled the plug on all three stations in Idaho.

Then, only a few weeks later, KAID recorded the most successful fund-raising drive in its history, gathering close to $200,000 from Festival '80.

The mix of public acceptance and legislative reluctance has KAID manager Jack Schlaefle searching for explanations.

"About the legislature's move to eliminate funding, I think it was more a sign of the times than animosity toward public television."

About the recorded setting fund drive: "I was dubious about an increase because of the economy...the support of the community is fantastic."

That support has boosted the station to national leadership in fund-raising and audience ratings.

Last year's Festival '79 totals put KAID 27th in the nation, which is good because Boise is only 160th in market size, says Schlaefle.

Schlaefle points to the station's carefully planned programming as the major reason for KAID's support. Through a mix of films, performing arts, sports, public affairs, dramatic series, and educational programs, the station has something for almost any viewer, he explains.

That wide audience is also free with its checking when it comes time to support the station. In the Festival '80 drive just completed, nearly 7,000 people and businesses pledged money.

The level of public financial support has continued to grow each year, a sign that viewers enjoy good programming and will pay to see it continue, explains Schlaefle.

"Particularly important, he adds, is the corporate support the station receives. Local businesses challenge each other during the fund drive and several send their workers to operate phones and count pledges during Festival week.

"If there is a station that gets more support from the local business community, I don't know where it is," said Schlaefle.

But support from the state legislature hasn't come as easily.

This year the Joint Finance Appropriations Committee almost voted to discontinue funding for public television, period. That motion failed by a 10-8 vote, but without some spirited debate that gave legislators a chance to air their complaints about public television.

Some felt public television had forgotten its educational mission, and that the government supported stations were competing too much with the three major private networks.

Others criticized past travel expenses by public television officials in Idaho. Schlaefle says many members of the committee come from areas not served by public broadcasting, which may lead to misunderstanding.

"Our service complements and supplements what the commercial networks are doing, not do counter programming," he says.

"Sure, pure formal instruction is part of our mission, but too many people just don't 'get' the community needs either."

Whatever the case, the state support of public television has dropped.

Last year the system lost its coordinator. That position has been restored, but the legislature didn't authorize a technician who is needed to install and maintain 29 new translator sites that will bring public television to 97 percent of the state's population. Currently only 67 percent are served.

Schlaefle says that decision was a "big disappointment" for the system will have to be installed by personnel from each station. That could lead to problems because there aren't enough people to maintain both microwave stations and translators.

This session the legislature appropriated over $1.1 million in general fund money for public television.

That amounts to about $1.80 per person, says Schlaefle.

"Do people really resent spending $1.80 per year for public broadcasting? I don't think so, because thousands are giving us $25 or more every year."

"I think the legislature is concerned over the 1 percent. Like anything else, when budgets are tightened, we are affected. But I think we could do a little better," he says.

Does all this point to a dim future for public broadcasting? Not necessarily.

"Some days I feel optimistic, some I feel pessimistic."

"There are so many contingencies...the economy is a major factor. Certainly, if we become a depressed area, public broadcasting is going to be affected."

A slow economy could cause large corporations to stop their grants that fund some of public broadcasting's best shows.

"The big question is, 'Are we going to improve?' The developments in telecommunications...how much more money are we going to get to take it to its fullest potential?" he asks.

"Oh yeah, you fight until you go down for the third time. Should we maintain public broadcasting? I think so. If the people support it like they have in the past, there is no reason why it can't go on for a long time."

In Communication

Five BSU students and five faculty members participated in the Northwest Communication Association conference April 25-26 at Coeur d'Alene. The students were Sherri Stevens and Kay Berman, who presented papers, and Barbara Jones, Carolyn Riddlemoser and Deb Thompson.

Faculty attending were Harvey Pitman, who participated in a panel discussion on interdisciplinary courses; Gary Cox, completing his term as president of the Idaho Broadcasters Association; Gary Aramberri, born in Coeur d'Alene, and Suzanne Applegate and Patricia Chaloupka, who participated in a panel on university learning centers.

"Oh yeah, you fight until you go down for the third time. Should we maintain public broadcasting? I think so. If the people support it like they have in the past, there is no reason why it can't go on for a long time."

In Honors

Bill Mech will represent Boise State at the convention of Phi Kappa Phi, a national honor society, Aug. 10-14 at Texas A & M University in College Station.

Mech has also transferred the executive secretary-treasurer post of the Western Regional Honors Council to Washington State. He has served in the position since 1973.

In Chemistry

Jack Dalton was selected as the executive secretary of the Idaho Academy of Science at that organization's annual meeting in April.

In Foreign Language

John Robertson, Penny Schoonover, and Urvida Kettlewell attended the spring meeting of the Northwest Inter-institutional Council for Studies Abroad held April 12-15 in Seattle.

April 24 Dawn Brazer presented a workshop on non-verbal communication in the courtroom for the Northwest Association of Forensic Scientists meeting in Boise. She presented a similar workshop May 9 in Boise for regional social services of the L.D.S. Church.

In FOCUS - People on the Move

Ron Baldner

April 24 Dawn Brazer presented a workshop on non-verbal communication in the courtroom for the Northwest Association of Forensic Scientists meeting in Boise. She presented a similar workshop May 9 in Boise for regional social services of the L.D.S. Church.

In In Honors

Bill Mech will represent Boise State at the convention of Phi Kappa Phi, a national honor society, Aug. 10-14 at Texas A & M University in College Station.

Mech has also transferred the executive secretary-treasurer post of the Western Regional Honors Council to Washington State. He has served in the position since 1973.

In Chemistry

Jack Dalton was selected as the executive secretary of the Idaho Academy of Science at that organization's annual meeting in April.

In Foreign Language

John Robertson, Penny Schoonover, and Urvida Kettlewell attended the spring meeting of the Northwest Inter-institutional Council for Studies Abroad held April 12-15 in Seattle.

Kettlewell will replace Schoonover during the fall term as the BSU contact for the NICSA programs abroad.

Robertson attended the Pacific Northwest Conference for Foreign Languages in the University of Idaho, where she presented a similar workshop on university learning centers.

Kettlewell will replace Schoonover during the fall term as the BSU contact for the NICSA programs abroad.

Robertson attended the Pacific Northwest Conference for Foreign Languages in the University of Idaho, where she presented a similar workshop on university learning centers.
Art professor John Killmaster was recently invited to display his enamel work in the Northwest Artists Metal Confabulation and Exhibition sponsored by the Oregon School of Arts and Crafts/Hoffman Gallery in Portland.

Killmaster was chosen as one of several Northwest metal artists to exhibit their work. He will present a workshop/demonstration in his medium. One of the few American artists working in vitreous enamel on a large scale, his work has been exhibited nationally.

Traditionally, enamelling has been limited to small scale panels and jewelry. Killmaster, the only Idaho artist invited to participate in this exhibition, is presently working on a modular construction which, when installed in the Hoffman Gallery, will "interact" with a thirty foot expanse of wall. The metals exhibition dates are June 16-July 11 with the confabulation/workshop July 11-13.

BSU donations help FUNDSY auction

Boise State University offered bidders in this year's FUNDSY auction items that ranged from a gold panning excursion to a chance to be a day during the BSU Idaho football game. The auction to raise money for the Montana State University-Montana Ekalik's Rehabilitation Hospital was held May 17. More than $200,000 worth of merchandise, trips and services was donated by local companies and individuals.

The package of seven items that BSU donated was to show appreciation to the community which responded to a worthy cause, according to business dean Tom Stites.

Earlier this year the FUNDSY committee donated $350,000 from past auction to Boise State for construction of the Morrison Center.

This year FUNDSY participants bid on these BSU items:

1. A collection of 12 autographed books written by BSU faculty.
2. A one-day guided tour of the Idaho City area to learn mining history, geology, and gold mining techniques.
3. A chance to be "coach for a day" with the BSU football team, which allows the highest bidder to be present during locker room sessions and on the sidelines during the game.
4. A collection of nine photographs, prints, paintings and ceramics done by BSU art faculty.
5. An evening of entertainment by BSU faculty musicians who will play for a private party or banquet.
6. An organizational development seminar which will include a one-day training session by School of Business faculty.
7. Two seats in the President's Box for a home football game next fall.

German prof awarded Fulbright

A summer Fulbright grant to study German civilization has been awarded to Dr. Penny Schoonover, BSU professor of German.

Schoonover will attend a summer seminar for 25 professors of German language and literature at the University of Innsbruck, Austria, in June.

Schoonover teaches German language and literature at Boise State, and will teach this fall in the Study Abroad program in Kolo (Koln), Germany. Boise State is one of 13 colleges and universities affiliated with the Northwest Interinstitutional Council on Study Abroad (NICSIA) which sponsors the classes in Koln, as well as classes in Avignon and London.

Schoonover, who has worked with the Boise Studies Abroad program since 1977, will teach courses on the Castle in a conference at Stanford University.

In Geology

Speaker H. Wood and BSU senior Robert Brooks attended the 1979 annual meeting of the Geological Society of America to present their paper on obsidian rind and Carbon-14 dating of an explosive eruption that occurred about 1410 A.D. in eastern California.

Wood's paper "Tectonic Rise Rates Derived from Lake-Level Measurements, Salton Sea, California," was published in the January 11, 1980 issue of Science. The paper is co-authored by Dr. Murray, University of California at Los Angeles, and shows a new method of measuring large scale warping of the earth's crust, cultural studies at universities in Bonn and their construction.

Anne Matjeka was invited to participate in this exhibition, and is presently working on a modular construction which, when installed in the Hoffman Gallery, will "interact" with a thirty foot expanse of wall. The metals exhibition dates are June 16-July 11 with the confabulation/workshop July 11-13.

In Library

May 21-22 Ralph Hansen participated in a conference at Stanford University on "Disasters: Prevention & Coping." This conference precedes the annual meeting of the American Institute of Conservationists to be held in San Francisco. In June Hansen will attend one of two official Idaho representatives at the Western States Materials Conservation Project Feasibility Colloquium.

Don Haacke attended the annual meeting of the Conference for Interlibrary Access to Microforms: A Painter's View of Downtown Boise. During the meeting, Doss moderated a day-long session on coordination of higher education, community, and governmental agencies.

In Geology

Speaker H. Wood and BSU senior Robert Brooks attended the 1979 annual meeting of the Geological Society of America to present their paper on obsidian rind and Carbon-14 dating of an explosive eruption that occurred about 1410 A.D. in eastern California.

Wood's paper "Tectonic Rise Rates Derived from Lake-Level Measurements, Salton Sea, California," was published in the January 11, 1980 issue of Science. The paper is co-authored by Dr. Murray, University of California at Los Angeles, and shows a new method of measuring large scale warping of the earth's crust, cultural studies at universities in Bonn and their construction.

Anne Matjeka was invited to participate in this exhibition, and is presently working on a modular construction which, when installed in the Hoffman Gallery, will "interact" with a thirty foot expanse of wall. The metals exhibition dates are June 16-July 11 with the confabulation/workshop July 11-13.

In Library

May 21-22 Ralph Hansen participated in a conference at Stanford University on "Disasters: Prevention & Coping." This conference precedes the annual meeting of the American Institute of Conservationists to be held in San Francisco. In June Hansen will attend one of two official Idaho representatives at the Western States Materials Conservation Project Feasibility Colloquium.

Don Haacke attended the annual meeting of the Conference for Interlibrary Access to Microforms: A Painter's View of Downtown Boise.
Refugees learn English, survival skills here

By Jacelyn Fanning

With Boise State University help, about 200 Indochinese refugees are learning to cope with an alien culture in their new homeland.

Employment counseling, interpreter services, consumer education, and instruction in English are all part of the BSU effort to aid the assimilation of the refugees into Treasure Valley.

The BSU Adult Basic Education Center directed by Helen Huff is now operating the refugee program with a state grant of $60,000.

With that grant, Boise State operates the Idaho Refugee Service Center at 1175 South Orchard, Boise, with Beth Kincaid, coordinator.

About 34 refugee families per month arrive in the Boise area. The Center’s work begins when they first arrive and must be contacted for evaluation of their skills and education so they can be helped to find jobs and to get into available training programs.

Helps Find Jobs

Jan Rinker, Refugee Service Center specialist, helps find the refugees jobs by working closely with the Job Service, also at the Orchard location, scanning advertisements, making telephone calls and personal visits to prospective employers, checking refugee eligibility and accompanying them to job interviews.

When a refugee is hired, Rinker goes to the first day of work to find out about language needs and to provide a helping hand in a strange environment.

Hodson, a refugee from Laos who has been in Idaho for four years, is now serving as interpreter counselor for the Refugee Service Center. His job is to help refugees with any language problems that might occur in job interviews, or other day-to-day situations. He was a civil engineer in his homeland, and is now studying for recertification in that profession in Idaho.

"Language is a big thing, and refugees don’t know their ABC’s," Chanh said. "They don’t know the money or the banking system here. They don’t know how to find the right food for their families. We have to help them a lot.

"Interpreting is a full time job. If any problem happens, we have to be ready to help, even if it is after midnight," he said.

The adult refugees coming into the Treasure Valley area were all Vietnamese, but there are increasing numbers of Cambodians, a few Laotians and some ethnic Chinese from Vietnam, Huff said.

The coordination of the national refugee influx is done by the American Council of Voluntary Agencies in Washington, which assigns them to sponsors who are then automatically assigned all family members who are admitted to the U.S.

Because of this, 85 percent of refugees coming into Idaho already have family members here, and only 15 percent will have no connections in the area, Huff said.

Taking Community Places

"These refugees are taking their places in the community, and we don’t have the tensions prevalent in many other places," she said. "I think that six percent of the refugees have had to go on welfare, whereas the rate is usually around 30 percent in other U.S. cities, she said.

While the unemployment rate for refugees in the U.S. is 41 percent, and runs as high as 85 percent in some places, employment efforts here have been more successful," Huff said.

The adult refugees are usually employed within a month of their arrival, and their children are doing well in school. A number of older students sit in at BSU, she said.

Classes and individual study for the refugees are held at the BSU Adult Basic Education Center on campus, which Huff directs.

Study available includes classes in English as a second language, vocational training, driver’s training, and help to obtain skills recertification in vocational and professional fields. Access to day care is provided, and refugees are helped with such basic problems as learning to use the Boise bus system and ear pools.

There are now about 175 refugees age 16 or older enrolled. Two full-time, three half-time and about 30 volunteer teacher workers with the students. Classes are open entrance, open exit; as in other adult basic education courses, students may join a class or leave it at any time.

Members of the Boise First Presbyterian Church recently helped establish their first refugee, Bantoo and Shom Keith Chanyhabout, Laotians who both spent three years in a Thai refugee camp. Married just eight months, the pair arrived in Treasure Valley with just one suitcase, said Doris Miller, church volunteer. Miller brought the pair to a recent English class at the Learning Center.

"They’re just overjoyed to be here, and I think they study about 15 hours a day," Miller said.

"The church volunteers take turns helping, I brought them to school on the bus today to show them the route and how to pay and get transfers. Our idea is to help make them as independent as possible. All of these people are eager to be independent and to find jobs."

The newly arrived pair are now enrolled in Marjorie J. Sutton’s English as a Second Language class. Sutton, a reading specialist, has been working closely with refugee students since last fall.

This is a necessary study for most," she said. "Some have had high school English in their own countries, but usually this is training in writing and reading English, and they don’t learn the pronunciation."

"Refugee campus often offer English classes, but for a fee. Many of these people can’t afford that. Some have no education, even in their own language."

"My personal aim is to help them survive in the U.S.,” Sutton said. “They have to be able to give their names and addresses. They need to know how to get to school, how to ride the bus, how to ask where the restrooms are. Most of the time they have sponsors who will do things for them, who will help them get around the city. If there’s no one doing that, I’ll go to their homes and help with the food, and show them where to go shopping.

"Before we start teaching, we assess these students’ goals. Do they want to re-enter professions here? Do they need jobs? Do they want any further academic education?

"When we get into class I use the audio-lingual approach. I use pictures to develop their ability to listen, then repeat phrases to show verbal structure — all this before showing them the written language."

"Rather than labels I want them to get the syntexes. The last thing I work on is writing. Their immediate need is for oral English,” Sutton said.

Continued from page 6

Hodson, 75-year old earn degrees

Hodson who teaches finance at Idaho State.

Out of necessity, Hodson says he is a Bronco fan during the week and a Bengal fan on the weekends.

The combination of work and study has strained his personal time schedule, especially in semesters like the last two when he has taken loads of 21 and 24 credits.

"After graduation I intend to spend weekends exclusively with my family, which I have neglected severely for the last 2-1/2 years,” he said.

The full time return to school is something Hodson has wanted to do for several years. He got started at the University of Utah and Dixie College, but hasn’t been able to work into his flight schedules until two years ago.

With his new degree on the wall, Hodson plans to apply the business practices he learned to the management of the IB & T flying service.

Many large banks have studied the cost-effectiveness and management of large air fleets, but few companies have looked into the use of planes on a small scale.

The new degree could be the ticket to a desk job somewhere, but Hodson says he isn’t ready to give up his pilot’s job just yet.

"This is the first time in my life I’ve been trained to do something else. But I really like what I’m doing," he says.

Green

"She knows many writers and organizations in the Northwest and brought lots of outside material that was really helpful to the students."

"It is a real privilege to have older students like Mary Catherine in class because they bring some mature judgment that tempers youthful enthusiasm," says Trusky.

Now that she has reached the goal she set for herself, she has others to work toward. She wants to write more poetry and short stories, hopefully for publication, and she is planning a biography of her father.

And, of course, she plans to still keep her mind sharp by taking the BSU English classes she missed on her way toward the degree.

Since coming back to school, Green has turned into a big booster of education for people her age.

"Everybody should have a goal. Others would be happier if they could do something like this, but they are afraid to try."

"All kinds of people tell me they would like to take classes, but they never do. It’s simple, you just get in your car and come."
BAA launches new drive for members

A new tack to retain and recruit new Bronco Athletic Association members for 1980-81 appears to be working, according to BAA membership drive chairman Fred Adolphsen and Larry Waldorf.

Figures during the drive now under way show that of the different levels of BAA memberships, there are currently up 30 percent, while monies raised are up 42 percent compared to last year. Adolphsen, Waldorf and BAA Executive Director Jim Faucher made the decision not to have a "team-style" membership drive because of a fund drive for the new BSU multipurpose pavilion.

The month of May, however, was the heart of the drive, and basically all the teams turning in most of their new memberships toward the end of the month.

We decided to keep a low profile on the BAA membership drive by using BAA material sent to season ticket holders, a special flyer in The Statesmen and a plan to bill the non-renewals," Adolphsen said.

"We also played on some other modes to get renewals and new members during the month of June," he added.

"The BAA is a very important part of the success enjoyed by our men's and women's athletic teams. We would urge everyone to either renew the BAA or renew their memberships as soon as possible," Waldford said.

The levels of BAA memberships are: Junior Bronco, $2.50; Student, $10; Bronco, $20; Bronco Plus, $40-250; and Rightrider, $250. Monies are currently awaiting lists for both the University and President's clubs.

Bronco Athletic Association Lifetime and Bronco Plus Lifetime memberships are also available, Faucher said. Those wishing further information concerning all levels of BAA memberships are asked to contact the BAA office in the BSU Varsity Center or call 383-3556.

Athletes named

Ruth Fugleberg, Boise State's sophomore, who was selected to the first team of the COSIDA Happy Days/Skial Academic All-American Team. Fugleberg, who was one of ten first team honorees in the university division, maintains a 3.7 GPA in the communication department at BSU. She was also selected to the second team of the All-Region team from the region commission by the National Scouting Association.

Junior center, Nancy Phillips, was also honored as a third team pick. Phillips, also a communication major, earned a GPA of 3.7.

Sports for youths

Youthful sports enthusiasts may participate in eight physical education programs offered June 14-17 at BSU. Summer sports for children ages 5-14 will be offered at the university pool, while classes for 8-14 year olds who are scheduled in tennis, gymnastics, wrestling, softball, soccer, creative movement and cheerleading.

For further information about the summer youth PE classes, contact the Boise State Physical Education Department, 383-1057.

Scott signs with CFL

Doug Scott, the Big Sky Conference's defensive player of the year in 1979 in football, has signed with the Montreal Alouettes of the Canadian Football League (CFL). Scott, who made the announcement in early May, said after looking at budgets "it was obvious something important was not a conference sport and that was probably one of the main reasons we selected it.

This year the baseball team ended the season with a 23-28 overall record and a 15-11 Nor-Pac conference mark, good for third place.

This year the Broncos played their games on the Borah High School field because the campus diamond was used for part of the multipurpose pavilion site.

Players who just finished the season can transfer immediately to another school and not lose any eligibility. Those who remain at BSU will receive financial aid through eight semesters, Smith said.

Smith added that he hoped baseball could continue at BSU as a club sport.

Faucher resigns

Jim Faucher resigned last month as athletic director of the Broncos Athletic Association to take a position with a Boise insurance firm.

Faucher directed the BAA for two years. He also served eight years as the athletic department's sports information director.

Athletic director Lyle Smith said a search for Faucher's successor will begin immediately.

Boise State has discontinued its base-

ball program in an effort to build the initiative that has hit the athletic budget especially hard this year.

Athletic director Lyle Smith, who made the announcement in early May, said after looking at budgets "it was obvious something important was not a conference sport and that was probably one of the main reasons we selected it.

This year the baseball team ended the season with a 23-28 overall record and a 15-11 Nor-Pac conference mark, good for third place.

This year the Broncos played their games on the Borah High School field because the campus diamond was used for part of the multipurpose pavilion site.

Players who just finished the season can transfer immediately to another school and not lose any eligibility. Those who remain at BSU will receive financial aid through eight semesters, Smith said.

Smith added that he hoped baseball could continue at BSU as a club sport.

Faucher resigns

Jim Faucher resigned last month as executive director of the Boise State Athletic Association to take a position with a Boise insurance firm.

Faucher directed the BAA for two years. He also served eight years as the athletic department's sports information director.

Athletic director Lyle Smith said a search for Faucher's successor will begin immediately.

Every so often I have the privilege of meeting a "super" grantsperson, e.g., one who applies for and is consistently awarded large amounts of monies. In this case, I feel more than privileged because I am, have been, and hope to continue to be working with such a person here at Boise State University. Her name happens to be Helen Huff and she is Director of the Advanced Learning Center at the Boise State University. Her name happens to be Helen Huff and she is Director of the Advanced Learning Center at the Boise State University.

Between July 1, 1977 and June 30, 1978, the Learning Center received grant and contract awards totaling $290,715, ranking third behind the University Research Grant and the Center for Research, Grants and Contracts.

Between July 1, 1977 and June 30, 1978, the Learning Center received grant and contract awards totaling $290,715, ranking third behind the University Research Grant and the Center for Research, Grants and Contracts.

Between July 1, 1977 and June 30, 1978, the Learning Center received grants totaling $347,630, and captured first place in total amount awarded. As if that were not good enough, the Learning Center has already won $242,637 since July 1, 1979, and it is only April 1, 1980 - leaving three more months to go before June 30, 1980. It appears doubtful, at this point in time, that any other BSU unit, with the exception of Student Financial Aids (and its unique function makes it the grant total winner every year), will come anywhere near equaling this year's Learning Center grant and contract award total.

Learning Center grant awards vary from $2,100 to be used to provide "Coping Skills to Mentally Handicapped Adults," to $72,997 for a "Home-maker Companion Training Project for Older Workers." A grant of $40,649 will provide "Adult Education for Idaho Refugees"; $40,000 is the total award for an "Indochinese Refugee Resettlement Program" (from the Governor's Task Force); $61,492 will fund a "CETA Employee at the Canyon County Courthouse"; $33,000 funds "English Instruction" and "Residential Language Program"; and $8,800 funds "CETA Employee at the Canyon County Courthouse"; $33,000 funds "English Instruction" and "Residential Language Program"; and $8,800 funds "CETA Employee at the Canyon County Courthouse".

Every so often I have the privilege of meeting a "super" grantsperson, e.g., one who applies for and is consistently awarded large amounts of monies. In this case, I feel more than privileged because I am, have been, and hope to continue to be working with such a person here at Boise State University. Her name happens to be Helen Huff and she is Director of the Advanced Learning Center at the Boise State University.

Between July 1, 1977 and June 30, 1978, the Learning Center received grants totaling $290,715, ranking third behind the University Research Grant and the Center for Research, Grants and Contracts.

Between July 1, 1977 and June 30, 1978, the Learning Center received grants totaling $290,715, ranking third behind the University Research Grant and the Center for Research, Grants and Contracts.

Between July 1, 1977 and June 30, 1978, the Learning Center received grants totaling $290,715, ranking third behind the University Research Grant and the Center for Research, Grants and Contracts. Between July 1, 1977 and June 30, 1978, the Learning Center received grants totaling $290,715, ranking third behind the University Research Grant and the Center for Research, Grants and Contracts.

Every so often I have the privilege of meeting a "super" grantsperson, e.g., one who applies for and is consistently awarded large amounts of monies. In this case, I feel more than privileged because I am, have been, and hope to continue to be working with such a person here at Boise State University. Her name happens to be Helen Huff and she is Director of the Advanced Learning Center at the Boise State University.

Every so often I have the privilege of meeting a "super" grantsperson, e.g., one who applies for and is consistently awarded large amounts of monies. In this case, I feel more than privileged because I am, have been, and hope to continue to be working with such a person here at Boise State University. Her name happens to be Helen Huff and she is Director of the Advanced Learning Center at the Boise State University.
Education values changing
Continued from page 3

aware of the needs of the "real world" reality and perhaps common sense. Another method equally important is to accept the word of others such as professionals in the real world, or students who have recently graduated.

A professional education implies practice, service to clients, and most certainly service to others. It also implies doing, not merely discussing.

Practical experience stresses and in fact insists on the prompt solution of mundane and empyrean problems. The appropriate solutions to these problems often depend as much upon the individual detail of the problem as they do upon broad theoretical considerations. The means and techniques by which practical, mundane problems are solved are at least as essential to the practitioners as are the rules of logic to an intellectual. They should not be omitted from a student's education.

We must be very careful that we do not "overintellectualize" our educational process. To the extent we fail to prepare our students for successful lives in the "real world," we fail as an educational institution.

The student's needs, ambitions, and purposes in seeking an education are of prime importance. Universities, colleges, administration, and faculties exist to serve students. These students are individuals, with differing attitudes, skills, desires, and personalities. We should not attempt to generalize our educational process, but rather provide an atmosphere wherein the individual student is encouraged to seek his level. Above all, the student must be recognized formally and informally, directly and indirectly, as the reason for the existence of this university.

This does not mean we should totally rely upon the students' concepts of what they need as the final word in the educational process; however, it does mean that they should have a strong voice in the evaluation of that process and the people who impose it upon them;

A student's concept of what he or she needs to survive in the "real world" may be radically different from what is actually needed. Both represent student needs—it is up to us, the faculty and administration, to develop an educational process that emphasizes the satisfaction of the real needs and at the same time encourages rather than discourages students.

Jerold Millier teaches accounting at Boise State. This column is an excerpt of a speech he gave to the scholastic honorary society Phi Kappa Phi in April.

Potpourri

Summer library hours
Summer library hours at Boise State will be:

May 17-June 6:
- Mondays-Fridays, 8 a.m.-5 p.m.
- Saturdays-Sundays, closed

May 26:
- Closed for the Memorial Day Holiday

June 6-August 15:
- Mondays-Thursdays, 7:30 a.m.-9 p.m.
- Fridays, 7:30 a.m.-5 p.m.
- Saturdays, noon-5 p.m.
- Sundays, closed

July 4-5
- Closed for the Independence Day holiday

Reality therapy

A one-week reality therapy seminar to train human service professionals will be conducted at Boise State University, June 16-20.

The seminar will be led by field representatives of the Los Angeles Institute for Reality Therapy founded by Dr. William Glasser, noted author of "Schools Without Failure." Glasser led a two-day reality therapy course at Boise State last fall.

Fee for the course is $300 including all materials and lunch for each of the five days. Sessions will be conducted in room 418 of the BSU Education Building.

BSU credit inquiries may be made to the Center for Continuing Education, Boise State University, 1910 University Drive, Boise, ID 83725, 385-3359.

For seminar registration, send a deposit of $50 to Dr. Robert Marsh, Criminal Justice Administration at Boise State.

Closed Memorial Day
Boise State will be closed for the May 26 Memorial Day state and federal holiday.

AKP adds alumni

An alumni chapter of the business fraternity Alpha Kappa Psi was started in late March. The new group has 73 charter members.

In its first year the new chapter will provide support to the BSU School of Business and the student AKP chapter, according to president Larry Irvin, assistant to the director of the BSU Center for Research, Grants and Contracts.