

# Student Continues School In Wilderness Area

by Barbara B. Petura

While some 7,200 University of Idaho students are enrolling for fall semester on the Moscow campus, Jim Bennett will be continuing his studies where he is — in the heart of the Idaho Primitive Area.

Bennett, a graduate student working toward a doctoral degree in wildlife ecology, has spent the summer hiking the mountain country of the Big Creek drainage tracking bands of bighorn sheep. Eventually he will be capturing individual sheep in order to equip the

animals with transmitter collars. He will then be able to follow individual bands to study bighorn sheep behavior, find lambing grounds and determine the importance of the dominant rams in the bands.

The Rocky Mountain bighorn sheep is a potentially endangered species, according to Bennett, who indicated several theories have been proposed for the recent decline in sheep numbers. One theory suggests the decline is the result of cattle summer grazing the mountain pastures which are used by the wild sheep in the winter.

Bennett indicated his work is based on the ideas of Valerius Geist, a faculty member at the University of Calgary and author of "Mountain Sheep." Geist suggests that current hunting regulations provide for removal of trophy animals — the old dominant rams who may be the ones who teach the bands the migration routes and maintain stability of the bands.

For the next two years — summer and winter — Jim and his wife Carol will be living in the primitive area, headquartered at the Taylor Ranch on Big Creek, a tributary

of the Middle Fork of the Salmon River. Purchased by the University of Idaho in 1969 from Jess and Dorothy Taylor, the ranch is now a field station for the UI's Wilderness Research Center. The ranch also served as headquarters for the well-known cougar or mountain lion studies of Maurice Hornocker, leader of the Cooperative Wildlife Research Unit housed in the UI College of Forestry, Wildlife and Range Science.

During his two years in the Big Creek drainage, Bennett will be gathering the baseline data on the bighorn sheep that will be used by future researchers who will complete a six-year study of the bighorns. They tentatively plan to live trap and remove several dominant rams, and then monitor the behavior of the bands to determine what effects removal of the leaders has on migration patterns, social stability and reproductive success. Bennett is working under the guidance of Dr. Jerran T. Flinders, associate professor of wildlife resources.

Interviewed after several days living out on the trail, Bennett said, "You really have to care about the animals you are studying. You spend hours developing a research proposal and writing study methods. Then you go out in the field and things don't work as you had them planned. It can be very frustrating."

Jim and Carol are living in the original cabin built on the ranch by Cougar Davis Lewis, who came into the Big Creek country around 1879 and patented the homestead in 1924. Also on the ranch are the Taylors' cabin, a guest cabin and a variety of platform tents.

Calling a big tent home this summer were four undergraduate students whose research proposals earned them a chance to spend a summer doing wildlife studies in the primitive area as well as receive a \$600 honorarium. A total of 15 students submitted proposals this spring.

Steve Anderson, a senior wildlife management major from Rockford, Ill., studied the wilderness ecology of pocket gophers. According to the undergraduate researcher, pocket gophers are the number one cause of damage to young trees in tree plantations in the Northwest. The gophers tunnel underground eating roots, or

tunnel under the snow and strip the bark of young trees, he said.

"But there isn't much information on pocket gophers in the wilderness," Anderson said, noting his aim was to determine the population density and how the animals spread out in a natural area.

Chuck Elliott, a sophomore wildlife major from Katzmiller, Md., also spent the summer studying small animals. Every day he hiked up part of Cliff Creek trail to his series of small animal traps where he caught primarily deer mice. Throughout the summer, he set his traps at increasingly higher elevations along the three mile trail.

"There is a theory that litter size for small mammals increases at higher elevations but fewer individuals live to maturity, possibly because of the extremes of conditions at higher elevations," Elliott said.

His results appeared to conform to these theories, he said.

Allen Steuter, a senior wildlife major from West Point, Neb., studied the brood ecology of blue grouse. He captured and banded females with broods of chicks in order to observe the relationships between the broods.

"Some herbivores including deer don't have any territoriality as they are too busy just keeping ahead of predation. The blue grouse is a bird herbivore and may not have any territoriality," Steuter said, noting that he hoped, however, to find some evidence of defense of territory among the females with chicks.

The fourth undergraduate student, John LeVesque, studied the spotting pattern of cutthroat trout. LeVesque is a junior wildlife-fisheries resources major from Buffalo, N.Y.

The students' reports on their research are due to their advising faculty members this fall in order to qualify their projects for academic credit.

While the four undergraduate students will be back on campus soon pursuing their classes, Jim and Carol are preparing for a season of tracking bighorn sheep and living through their first wilderness winter.



University of Idaho

## Campus news

VOLUME XXIX

August 29, 1975

Number 9

## L & S Symposium Considers Religion, Ethics, Environment

The University of Idaho College of Letters and Science Religious Studies Committee will sponsor a symposium, "Religion, Ethics and the Environment: A Moral Decision for Idaho?" Oct. 12-14.

The symposium is funded in part by a \$4,745 grant from the Association for the Humanities in Idaho. Dr. Frank Seaman, UI philosophy department chairman and one of the coordinators of the symposium, said the remainder of the estimated \$9,500 total cost will be raised locally.

The symposium will focus on ecological issues which have raised serious moral questions about use of land and the historical roots of those issues in Western religion. Keynote speaker will be Garrett Hardin, professor of human ecology at the University of California at Santa Barbara, who will discuss "Life Boat Ethics."

Hardin's theory, which has received national attention, is a view that countries which are reasonably well off in a material sense must consider themselves as on a life boat with respect to people in other

lands, who may be starving or near starvation. Those starving people should be seen as people in the water trying to get into the life boat.

Controversy about Hardin's theory focuses on his contention that for the well-being of all in the long run, the "haves" in the boat cannot afford to help the "have-nots" in the water.

Other speakers will discuss the relationships among agriculture, food production, population, classification of land, environmental ethics and modification of traditional institutional religious views. Speakers will represent a wide spectrum of religious affiliations and philosophies.

The symposium format will be similar to that of the UI's annual Borah Symposium, with all sessions open to the public and time allotted to question-and-answer periods. Names of guest speakers will be announced at a later date.

Members of the Religious Studies Committee, which is sponsoring the symposium, include Seaman; Dr. Nicholas F. Gier, assistant professor of

philosophy; Dr. Stephen L. Tanner, associate professor of English; Jan K. Hansen, an LDS Institute instructor; Dr. David G. Rice, associate professor of anthropology; Dr. Stanley W. Thomas, affiliate professor of religious studies; Father Richard Wemhoff, religious studies department instructor; and Bryan Weston, LDS Institute director.

### A.T. Wallace to Present Paper

Dr. A.T. Wallace, University of Idaho professor of civil engineering, will participate as a speaker at a technology transfer seminar sponsored by Region 8 of The U.S. Environmental Protection Agency in Denver, Colo., on Sept. 4-5.

Dr. Wallace will present a paper on the details of site selection for rapid infiltration basins, a method for disposal of wastewater effluents on the land. His paper will summarize methods developed by himself and others on several large projects throughout the Northwest.



# Job openings

**Asst. or Assoc. Professor of Finance** — Nine-hour teaching load in undergraduate and graduate courses in financial management and investments. Ph.D. or D.B.A. in finance required, but may consider doctoral candidate working on dissertation. Contact Dr. William H. Parks, College of Business and Economics, before Nov. 10.

**Head, Dept. of Biological Sciences** — Administers department programs, encourages research and excellence in teaching. Ph.D. in biology, botany or zoology required as well as administrative, research and teaching experience. Contact Dr. Arthur Rourke, Dept. of Biological Sciences, before Oct. 15.

The University of Idaho is an Affirmative Action/Equal Opportunity Employer.



*Jim Bennett, a graduate student in the UI College of Forestry, Wildlife and Range Science, discusses his research on bighorn sheep with his major professor, Dr. Jerran Flinders. Bennett is living in the Idaho Primitive Area for two years — summer and winter — studying the ecology of the bighorns which he calls a potentially endangered species. His headquarters is the Taylor Ranch on Big Creek, a field station for the UI Wilderness Research Center. Mail and supplies arrive weekly at the field station by airplane.*

# Students Will Play in Computer Games

Students at the University of Idaho this fall will be playing METRO-APEX, a simulation game backed by a complex computer program.

"METRO-APEX is a simulated game designed to give players some experience — while freed from real-life anxieties — in dealing with a range of problems confronting moderate-sized urban areas," said Dr. Don Haber, professor of civil engineering and coordinator for the game. Haber was trained to use the game at a workshop held last January at the University of Southern California.

According to Haber, the game will be offered twice during the fall semester, with one set of nine sessions starting at 7 p.m. Tuesday, Sept. 16, at the Education Building KIVA and the second set starting Oct. 21 at the same time and place.

Haber, who is serving as "game-over-all director," has proposed that the simulation might serve as a laboratory session for other academic courses such as political science, geography and other planning-related courses or it might serve as a one or two credit course under an interdisciplinary number. In addition to Haber, a number of faculty and staff members have volunteered to serve as advisors for the different roles in the simulation.

"Some of the roles which the players may assume are administrative officers, pollution control officers, industrialists, real estate developer or members of the news media," said Haber, who noted the players make decisions individually and jointly to affect the working of a computer-simulated environment.

"The world in which game players operate is largely simulated in the computer, although the activities of other role-players make up part of the environment for any particular player. Within this setting, players assume roles of a few key decision makers who must take major responsibility for the direction and pace of change within the community," Haber said.

"Since time is compressed so that one three- to four-hour decision cycle represents one year of the simulated community's change, players may discover — in a relatively short time, the probable consequences of their actions and may adjust their strategy for future action accordingly," the civil engineer said.

The environment of the game includes a county in the northern part of the United States with an area of 320 square miles. In the county are a central city, a suburb and two townships.

"The general government of the city and the county are represented in the game by players while the activities of the general governments of the suburb and the townships as well as the school boards of all municipalities are simulated," Haber explained.

He said METRO-APEX does teach about the interactions of the urban system and encourages an interdisciplinary approach to decision making, but does not teach about computers or predict real world developments in terms of quantitative data.

In addition to use on campus, Haber said the simulation can be adapted to fit the needs of various interest groups and might be used at conferences off campus.

"Enjoy Music with Us."



**BALDWIN  
MUSIC ROOM**

Pianos, Organs, Band Instruments, Sheet Music, Accessories

608 South Main  
Moscow, Idaho  
8827326

**WELCOME  
TO  
OUR WORLD**

*You'll Like What You Find In  
PEOPLE, PRODUCTS, PRICES*

**VOLKSWAGEN  
CHRYSLER - PLYMOUTH  
DODGE CARS and TRUCKS**



**UNIVERSITY  
AUTO**

8 to 7 Weekdays — 8 to 5 Saturdays  
619 S. Washington — Moscow

COMING IN SEPTEMBER AND EARLY OCTOBER

- Sept. 10 Vandal Booster kickoff banquet, Elks, 6 p.m.
- Sept. 19-20 Grand opening, Ballet Folk, UI Auditorium, 8 p.m.
- Sept. 25 Euell Gibbons, SUB, 8 p.m.
- Sept. 27 Alumni Board and Area Chairpersons meeting; Football, Idaho State, Kibbie Dome, 8 p.m.
- Oct. 1-4 Guys and Dolls, Performing Arts Center, 8 p.m.
- Oct. 2 S-ARB Career Day, SUB, 9 a.m.-4 p.m.

**CASA  
DE  
ELENA**

**Authentic Mexican Food!**

Tacos, Chili Rellenos, Enchiladas, Tostados, etc. Also

Complete Mexican Dinners

Sauce Seasoned To Your Taste

OPEN 11 AM to 10 PM

112 E 3rd Moscow

## Three Chemists Attending Meeting

Attending the fall meeting of the American Chemical Society in Chicago this week are Drs. Dennis G. Brown, Malcolm M. Renfrew and Jean'ne M. Shreeve of the Department of Chemistry at the University of Idaho.

Dr. Shreeve is taking part in the ACS Council meeting as representative of the Division of Fluorine Chemistry of the society. She also serves as an elected member of the national Committee on Committees.

In addition to attendance at technical papers offered in his field of research, Dr. Brown is joining in a conference of directors of the Undergraduate Research Participation program

sponsored by the National Science Foundation. Dr. Brown for the past two years has been responsible for the NSF funded summer program here which brings talented undergraduates to the campus for work with Idaho faculty members.

Dr. Renfrew is counselor for the Washington-Idaho Border Section of the Society and is an elected member of the Committee on Nominations and Elections of the Society. He also is attending sessions of other committees in which he holds membership: Safety and Chemical Education.

Renfrew also is chairman of a committee concerned with the training of teaching assistants and a member of the ad hoc committee concerned with the effectiveness of mature scientists. He is giving a paper reviewing activities of the NSF-funded College Chemistry Consultant Service which offers counsel to chemistry departments in colleges and universities and which he has directed for the past five years.



Four University of Idaho undergraduate students in the College of Forestry, Wildlife and Range Science spent the summer studying pocket gophers, blue grouse, small mammal populations and cutthroat trout in the drainage of Big Creek in the heart of the Idaho Primitive Area. Daily the students left their headquarters — the Taylor Ranch, owned by the university as a wilderness field station — for a day's work in the surrounding mountains. Among the student researchers were, from the left, Al Steuter, Steve Anderson and Chuck Elliott who is at the door of one of the ranch's log cabins.

### McDONALD'S GARDEN STORE & NURSERY

All Your House Plant And Garden Needs.

Public Ave. Moscow 882-3333



Carl J. Petrick, affiliate professor of dance at the University of Idaho and executive director of the Ballet Folk Company, will teach classes in acting and movement in the Department of Theatre Arts beginning this fall. Petrick, who attended Gonzaga University and graduated from the University of Idaho with a bachelor's degree in theatre arts, teaches ethnic dance in the Department of Physical Education as well as classes in acting and yoga at the Ballet Folk School. Ballet Folk, ballet company-in-residence at the university, is administered by a non-profit corporation of Moscow, Idaho, citizens. It was established in May 1972 under the direction of Petrick and his wife Jeannette Allyn, artistic director of the company.

## Announcements

**ELECTRIC RANGE FOR SALE** — The School of Home Economics has for sale a 40" Westinghouse Electric Range, Model No. KDG 40, with double oven and clock timer for \$95. Needs some repair.

**NEWS BUREAU NEEDS INFO ON NEW FACULTY.** — Department heads are asked to send a copy of a vita or resume on each new faculty member in their department to the News Bureau (-6291) and to arrange a portrait session for the new people with the Photo Center (-6342) at the News Bureau's expense. This will allow the bureau to release an announcement of the new appointments to area media and to Campus News. The News Bureau will also maintain a file with vita and picture for each person for future use.

**RETURN THAT VITA NOW** — If you received a vita form during the summer from the News Bureau and did not fill it out, would you please do so now and return it? Or send us a copy of a formal vita if you have one? The News Bureau maintains a background file on all faculty members — picture, vita, news releases about them — which is very helpful when we announce new grants, honors, publications etcetera. Help us help you.

Campus News is published each Friday by the Office of University Relations and Development at the University of Idaho. Second class postage paid at Moscow, Idaho 83843. Deadline for submitting material for publication: Tuesdays at noon. Barbara B. Petura, editor  
Layout by Susan E. Schou.

professional  
10-Speed Bicycles  
Velo-Sport Ltd.  
216 n. main tue. - sat. 12 to 5



The UNIQUE Clarks WALLABEE®

Myklebust's

218 S. Main Moscow 882-2713

Use Your BankAmericard and Master Charge



### Sexual Bias Paper Presented

Drs. M.J. Di Noto and G.A. Lynch, both associate professors of economics at the University of Idaho, presented a paper entitled "Some Evidence on Sexual Bias in the Graduate Student Aid Decision" at the 1975 annual meetings of the American Statistical Association held Aug. 25-28 in Atlanta, Ga.

In addition, Lynch presented a paper entitled "A New Methodology for Estimating Regional Gross Product: An Appraisal of Results."

Both papers have resulted from research support provided by the Graduate School and the Center for Business Development and Research at the University of Idaho. In addition, Lynch's research was also supported by STAR (Short-term Applied Research) funds authorized by the Legislature of the State of Idaho.



Four University of Idaho undergraduate students did wildlife and fisheries research this summer in the heart of the Idaho primitive area. Their headquarters was the Taylor Ranch, a field station of the UI Wilderness Research Center. Purchased by the University of Idaho in 1969 from Jess and Dorothy Taylor, the ranch is located on Big Creek, a main tributary of the Middle Fork of the Salmon River. Among the students who called a platform tent home were wildlife majors Steve Anderson, left, Rockford, Ill., and Al Steuter, West Point, Neb.

## KUID-TV Highlights

### SUNDAY, Aug. 31

- 10:30 AM
- 4:00 PM TENNIS "Medi-Quik" finals and 48th U.S. Pro finals.
- 6:00 PM WORLD PRESS News of the week as reported in papers and magazines around the world.
- 9:00 THE PEOPLE AT THE END OF THE TUNNEL An examination of the plight of Vietnamese refugees at Camp Pendleton's "tent city" in California.

### MONDAY, Sept. 1

- 7:00 A MENUHIN TRIBUTE TO WILLA CATHER Violinist Yehudi Menuhin and his sisters, pianists Hephzibah and Yalta, in a concert commemorating the 100th anniversary of Willa Cather's birth.
- 9:00 JEAN SHEPHERD'S AMERICA "beer."

### TUESDAY, Sept. 2

- 7:00 WHEN TELEVISION WAS LIVE Nostalgia from the early days of TV.
- 8:00 NOVA Is there an alternative to industrialization for developing Third World countries?
- 9:30 WOMAN "A Conversation with Florence Kennedy."

### WEDNESDAY, Sept. 3

- 8:00 THEATRE IN AMERICA "To be Young, Gifted and Black" with Ruby Dee.
- 9:30 HOCKING VALLEY BLUEGRASS with the Eagle Mountain Boys of Charleston, West Virginia.

### THURSDAY, Sept. 4

- 6:30 FOOD FOR LATER "Canning Fresh Fish."
- 8:00 PHILADELPHIA FOLK FESTIVAL Arlo Guthrie (with his own song about Watergate), harmonica virtuoso Peg Leg Sam, and Scottish folk star Murray McLachlan.
- 10:00 INSIDE BALLET FOLK A behind-the-scenes look at the development and rehearsal of a new work by resident choreographer Jeanette Allyn.

### FRIDAY, Sept. 5

- 7:00 WASHINGTON WEEK IN REVIEW
- 7:30 WALL STREET WEEK
- 10:00 KUPS SHOW with Sylvia Porter, hotel man Varron Hilton, and comedians Don Rickles and Rich Little.

**Bennett's Auto Parts and Machine Shop**  
 American and Import Auto Parts  
 Cylinder Head Reconditioning  
 Small and Large Engine Re-Boring  
**complete engine rebuilding**  
 Mac's gas line antifreeze  
 ice scrapers  
 windshield de-icer  
 NAPA batteries  
 tire chains  
  
 882-5596 510 W. 3rd St.

**Try Our Lunch Specials!**  
 PIZZA - SPAGHETTI  
 SALADS - WINE  
 BEER - Old Milwaukee, Schlitz, Dark Schlitz  
 Free Delivery of Pizza  
 After 5 P.M. Within City Limits  
**Karl Marks Pizza**  
 On Pullman Rd. Moscow 882-7080

**FACULTY/STAFF FOOTBALL TICKETS READY**  
 - Those members of the faculty and staff who ordered season football tickets can pick them up at the Athletic Ticket Office. Anyone who wishes season tickets but has not ordered them is urged to call the ticket office immediately at 885-6466.

COUPON  
  
**GRANOLA**  
 Now **59¢ lb.** Reg. 79¢ lb.  
 Whip Inflation Now with  
**Pilgrim's**  
 Price Reductions  
 212 S. Main — Moscow, ID.  
 LIMIT: 1 Expires 9/6/75

## Journalism Students Work on Campus News Production

Reporters for Campus News will again be students in the journalism course on reporting, according to Barbara Petura, Campus News editor.

"Faculty and staff members with news to share with the university community are urged to send news tips through campus mail addressed to News Bureau-Campus News," she said, adding that the newspaper

carries stories on faculty and staff appointments, honors, grants, new publications and other activities, as well as announcements of events of interest to university personnel.

"Minutes of official meetings as well as official announcements are to be carried in the University Register, while news and announcements of events are carried in Campus News," Petura said. "General announcements should not be sent to both publications."

She indicated the News Bureau serves as the editorial offices for the weekly newspaper, while the advertising department of the Daily Idahoian sells the ads. Individuals interested in placing ads should contact the Idahoian ad office.