Animal Trackers
Animal Trackers

Gene Leo ('75):
The '60s were formative years for Leo's zoo career and the public's view of the animal world.
page five

Debbie Duffield:
Biology professor's expertise in marine mammal life is instrumental in standing network and oceanarium plans.
pages six and seven

Clarke Brooke:
For twenty years, PSU geographer has been on the trail of the world's rare and disappearing sheep and goats.
page eight

Northwest Museum of Natural History:
PSU alum David Taylor is spearheading an effort to gather University's collections under one roof for public to see.
page nine

Philip Gaddis ('75 MS): Free-lance ornithologist founds Northwest Ecological Research Institute to keep him where he wants to be—in the woods.
page eleven

Plus:
Co-existing with the natural world; Central Oregon in watercolors; PSU heads into 40th year; Higher ed fares well in legislature; Annual Fund breaks records; Tuition change; AlumNotes; Faculty Notes; Calendar, and more.

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The faculty and alumni profiled in these pages, for all the hours they spend with animals, are not obsessed. You won't see cute, fuzzy animal pictures on their walls. You won't hear them speaking in hushed tones or in angry tirades about the suffering of their animal icons at the hands of cruel, unappreciative humans. They have a remarkably unemotional, but in every case humane, approach to their life work. They know on a very personal level, as well as a professional level, that the vitality of the animal world is a reflection of our own health. Seeing no firm boundary between the two-legged and the four-legged, winged or flippered, they advocate a kind of informed interaction with the animal world. Through observing the behavior of our earthly cohabitants, these people open windows not only into our wonderfully complex natural environment but also into our own humanity.
The native peoples of the northwest tell legends about a time when the world was inhabited by animal people, who later turned into people as we know them today. This could be an intriguing way to describe evolution. But it is more likely an eloquent expression of the continuum between animals and humans that affects us everyday whether it's summer or not.

—The Editor
Letters

Don't leave Portland

I thoroughly enjoy reading PSU Perspective and look forward to future issues.

After 13 years, I returned to Portland last summer and enjoyed my stay, renewing acquaintances and touring the city and college. Our children also enjoyed the trip (my wife, Barbara, and I were married in Washington Park in 1970 and our daughter Rachel was born in Portland in 1971). I was pleasantly surprised by all the changes in the city and at PSU. I was a little disappointed that I could not get inside the theater to show my daughter where I had acted in a few plays.

I also would like to give some advice to all who live in Portland and attend PSU. If you are thinking of moving away from Portland, don't. If you must move away, make sure that wherever you go, the credits you've received at PSU will be recognized in whatever state you might move to. When I moved to Ohio in 1971, I thought I might have to take a few additional courses to obtain a teaching certificate. Much to my chagrin, I discovered that Oregon is one of the two states whose educational courses are not recognized by Ohio. The course load and financial burden to acquire a teaching certificate was too much to bear at the time. Had I known this in 1971, I would never have left Portland and "God's Country."

If possible, I would like someday to return to Oregon permanently.

Ron Penn (Petrovich) '71
University Heights, Ohio

Keep them coming

I was delighted to receive the Perspective—I haven't even been sent one before. Please keep them coming.

Paul Nuhring '77
Duluth, Minnesota

From my perspective/ An answer and a question

"Your Turn," Perspective's regular question and answer column, is starting a new life as "From my perspective." It is an opportunity to address yourself to issues confronting Portland State and other colleges and universities. On the last issue, we asked readers to comment on Secretary of Education William Bennett's recent remarks about the quality of the college experience. Specifically, we asked, "Would you rather pay for your son or daughter's college education or hand over the money for a business venture?" Responses were few, but Dennis Navero '74 had a lot on his mind.

I have wanted to respond to Mr. William J. Bennett's remarks concerning modern higher education, but felt I could not without becoming passionate and losing my objectivity and my point. Given your generous invitation, I shall try to respond.

I believe Mr. Bennett is correct, but only up to a certain point. Just now, $50,000 in unmarked small denominations, would be attractive for anyone, and I dare say any student at Portland State or anywhere else could make something of himself and his life with that kind of grubstake to back him. Without touching the principal, one ought to be able to parlay that into bank loans amounting to five or ten times as much and open a very successful boutique specializing in high tech, German-crafted, designer trinkets or even something more useful to mankind.

My son wants to attend Annopolis and become a Naval Architect. For him a college education is mandatory (paid for by you and me). My daughter studies ballet at Renoux Studios, (in Portland). For her, $50,000 would be the more correct choice of the two.

Addressing Mr. Bennett's statement that colleges promise to make you better . . . . What you get out of anything depends upon what you put into it. It is the student who applies him or herself that is made better by attending college. But the truth of modern American life lies in this: "Which school is better—better or better off?" In answering that question truthfully and honestly, you make a conscious decision that will affect all future encounters, dealings, and relationships, for the rest of your life.

In nearly every prestigious college or university seal, there is reference to Truth, Light and Learning. Few admit to Profit, Athletic Prowess and Image. If one is to believe what one reads, then Mr. Bennett is right. He has told the truth. If colleges promise to make you better, culturally and morally, they are faling in their promise. Many an innocent is corrupted in college and very few are redeemed.

We are all aware of the global forces that are even now shaping our lives for the better or for the worse. They have nothing to do with college educations and personal aspirations, do they? With a mighty effort, Portland State University is not likely to change what is going to happen. Together we can try, and together we might even make some worthy contribution for the better, which leaves us all better off.

Though I owe neither success or failure to Portland State University, I am most deeply grateful for having had the opportunity to attend and study under the instruction of some very fine professors and teachers, and to have graduated from this fine, dynamic University. I came away with no greater promise than that which I brought with me when I first entered, but others perceive me in an obviously very different light for the experience. For that I am both better and better off.

Dennis C. Navero '74
3621 N.E. 73rd Ave.
Portland, Oregon

Think about the last 40 years

As PSU approaches its 40th year, alumni naturally begin to reminisce about their experiences with the school, whether it was Vanguard, PSC or PSU. They might remember the flood, temporary classes in a local synagogue, dances in the gym of Old Main, a favorite professor, or studying to the sound of the ever-present jackhammer as Portland State grew and grew.

It is also a time to think about the qualities that have made Portland State an educational force in the community through the years. So our question to you is: "What is it about Portland State that should be celebrated in its 40th year?"

Please send your thoughts or remembrances to: News & Information Services, PSU, P.O. Box 751, Portland, OR 97207. Your ideas could help shape the next year!

PSU Perspective

PSU Perspective is published quarterly during the year by News and Information Services for alumni, faculty and staff and friends of Portland State University.

Editor Cynthia D. Stowell
Contributions Clarence Flahy '55
Cliff Johnson

Calendar Editor Pat Scott

Share your culture with an International Student

A mutually rewarding experience

Take a moment now to think about participating in PSU's fall term homestay program. This program offers you and your family a unique opportunity to share your culture with an international student for one term—or more.

You and your children can provide an international student with a warm, congenial setting for introducing him or her to American life. Students, in turn, will share their cultural background with you . . . language, art, food, dance, music, history, holidays. Lifetime friendships often grow from this exchange, as well as rewarding experiences.

Many international students can pay their room and board expenses. If students are unable to pay the full amount of costs involved, they sometimes can work up to ten hours per week in exchange for their provisions.

A standard residence contact is arranged between host family and student, so everyone understands what is expected from both parties.

For a mutually rewarding experience, investigate Portland State University's homestay program. Call International Student Services, 229-4094, today for complete details.
The Case for Co-existence

by John Hammond

The history of our relations to other life forms on this planet reads like a long, one-sided casualty list. The number of species presently labelled “threatened” or “endangered” is small compared to those that have ceased to exist altogether because of human intervention of one kind or another. Generally, we are aware only of the more spectacular losses: the great auk, American bison, passenger pigeon. No wild species has ever competed with humans...and won.

This dismal picture raises sobering questions not only about our moral capacities, but even about our ability to act from considerations of long-term self-interest.

Without doubt, humans benefit from other living things in an immense variety of ways. Some of the insects, for example, are absolutely necessary for the pollination of fruit-bearing plants. Many advances in medicine have depended on research conducted on other animals, such as the primates. At a less tangible level, the presence of other species does much to enhance the quality of life. Try to imagine the utter silence of the forest without birds, or the barrenness of poetry without its animal imagery. It would seem, then, that it is clearly in our interest to preserve the diversity of life around us.

But the self-interest argument fails in the end for reasons which are significant. First of all, it gives us the option of trading off our interests in wildlife for some other human advantage. This is the spirit of the public lands Environmental Impact Statement. (“Under Alternative C, the number of song birds will decline, but timber production will increase...”) The truth is, we can probably get along without the grizzly, the gray whale, the whooping crane, and even appear to prosper.

But the appeal to self-interest has another fatal flaw. It underestimates our own human nature. In spite of what the cynics and the behaviorists say, humans do respond with passion and dedication to values and aims other than those that benefit humans alone, either individually or collectively. Humans by and large have a great capacity to care for and empathize with other life forms.

Furthermore, we are capable of responding to appeals to reason, to considerations of what is right. That, in a sense, gives us a perspective from which we can look beyond our own species. For whether or not we will come to co-exist with the rest of living nature, the case can be made that we ought to. This is a philosophical and, specifically, an ethical proposition.

It is an indefensible, not to mention arrogant, notion that only humans have intrinsic worth and that all other living things have value only as they contribute to our well-being or enjoyment. This cosmic provincialism may well serve our need for self-esteem and importance in a universe grown to frightening proportions, and it no doubt has received support from certain traditional religious doctrines. But this outlook is little more than egoism raised to the species level. Contemporary philosopher Peter Singer has called it “species-ism,” to make the point that it employs on the inter-species level the same “logic” as does racism on the human level.

If we once succeed in putting aside this massive prejudice, we can be open to reasons for believing that we have a moral obligation to curtail the destruction of other life forms.

The case was argued in simple terms in the last century by the British social reformer Jeremy Bentham, on grounds that other animals, like us, have the capacity to enjoy and suffer. And in recent times, the moral argument has been made most eloquently by Aldo Leopold, a prophet of the modern ecology movement. Leopold noted that ethical obligations among human beings derive from membership in a community of interdependent persons. But, argued Leopold, since humans are but one species in the larger community of the biosphere, moral constraints should be extended beyond the human community to embrace all living things. Out of this grows an “ecological conscience” wherein humans see their role no longer as lord and conqueror of the land but as “plain citizen.”

It does not follow from either Bentham’s or Leopold’s ethical arguments that we should never take the lives of other creatures or never use them for our benefit. What follows, rather, is that it is morally wrong to sacrifice the vital interests of other animals for the sake of satisfying relatively unimportant human interests. Much of the past destruction of other life has violated this principle: witness the slaughter of the bison for its tongue and skin, or the passenger pigeon for food to fatten hogs. A current example is the destruction of rain forests in the West Pacific and in South America when the motive is to produce coffee or exotic woods for the affluent West, or to clear pasture to produce beef for the U.S. fast food industry.

Perhaps our most vital interest as human beings lies not in raising the material standards of life alone, but in the expression of such human and humane values as empathy, ethics and a concern for the quality of life. With self-interest redefined in this way, we may find ourselves on the path of fruitful co-existence with our fellow living beings on Earth.

(John Hammond, a philosophy professor at Portland State since 1962, teaches courses in ethics, the philosophy of religion, and the philosophy of ecology.)

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Art classes render life in high desert

The first bit of wildlife that art students captured with their watercolors in a weeklong class based at the Oregon High Desert Museum was a falcon belonging to PSU art professor Byron Gardner. The gyrf-seregen hybrid stole the show from native owls and sparrow hawks made available by the museum to the Summer Session class.

Gardner, a falconer for 30 years, gave pointers to Judy Asher of Prineville (left) while Wendy Palmet of Portland examined the bird’s coloring. This is the second summer Gardner has taught watercolor and oil painting at the museum near Bend.

“All my paintings for years have dealt with the high desert,” said Gardner, who helped found the central Oregon museum, designed its first poster, and created a sculpture for the entrance.

Of his longtime hobby, Gardner says, “Falcons have an absolute function in the natural plan...
Vanport

Honor. George A. Van Hoomissen is a member of the Oregon Distinguished Elementary Principal of the year by the Oregon Association of Elementary School Principals. Salyers is principal at Linwood and Whitcha elementary schools in Milwaukee, Ore. He also has been named to represent one of nine national zones on the National Association of Elementary Principals' board of directors.

David Belles (BS), executive vice president of First Interstate Bank of Oregon, has been elected president of the Portland chapter of Financial Executives Institute for 1985-86. He also serves as a member of the board of directors of the Portland area's Northwest Bank.

Robert F. Christenson (BS), English teacher at Milwaukee High School, Milwaukee, Ore., has been honored by the city's Rotary Club as the North Clackamas School District's outstanding teacher.

Judith Hofer (BS, MS), president and chief executive officer of the Woman's Bank of Oregon, has been named to the board of directors of the Pacific Northwest Professional Bankers Association.

Donald DeMunini (BS) and Jerry Colson, former Evans Products Co. executives, were named to the board of directors of the Oregon Film Commission, which is responsible for promoting the state as a location for film production.

Mary Kurafi Hill (MA, MS) is a teacher at Boise (Idaho) High School, a former recipient of the Distinguished Young American and Outstanding Young Woman of America awards, and a nominee for a Boise distinguished citizen award as well.

Robert J. Love (BS) and his husband Don are Oregon's premier hiking and backpacking authors. Since their first book, "Hiking Oregon's Island Trails," was published in 1969, the couple has authored more than 20 guidebooks on Oregon's best hiking trails.

Mary Kaye (MA) has been named to the board of directors of the Oregon Historical Society.

Marlene Griffith Mahoney (BS, MS) taught "Great Women: The United States' Who's Who" at the Wood Community College in Woodburn, Ore. She also offered a course called "Great Women in the Curriculum" through the Multnomah Education Service District. She also tutors emotionally handicapped and disabled children.

Jon K. Mitchell (BS) has been named president and chief executive officer of Oregon Health Sciences University.

Barbara R. K. Ritt (BS) is the new principal of Milwaukie High School, Milwaukie, Ore. Since 1979, she had served as principal of the high school and middle schools for the Coeur d'Alene School District. She is the mother of two children, Edward, and seven young children.

Richard A. Scheel (BS) is the new senior vice president at the Hallmark of Performing Arts in Eugene, Ore. Since 1982, he had served as president and executive director of the Eugene Opera and Eugene Ballet companies. He also served as university manager for the American Theatre Company, a Portland professional company, and has acted in Eugene theatre productions.

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Please complete and mail the attached form to Alumni Office, Portland State University, P.O. Box 752, Portland, Oregon 97207.

Or telephone: (503) 228-4948.

Your name, Address, City, State, Zip
Student's name, Address, City, State, Zip

PORTLAND STATE UNIVERSITY ALUMNI
Once a ticket taker, Gene Leo comes home as director of the Washington Park Zoo.

By Bob Mullin

It was the summer of '67. Lyndon Johnson was President and the war in Vietnam was heating up — as was the nation's opposition to it. But Gene Leo, a 17-year-old senior at Lincoln High School in Portland, had other things on his mind.

His future.

First, though he still had another year of high school to complete, he signed up for three classes at Portland State University. Next, he accepted a summer job as ticket taker at Portland's Washington Park Zoo, a job that paid $1.52 an hour. Finally, as the summer months wore on, young Gene grew quite well acquainted with a particular female ticket seller at the zoo.

All three associations — with PSU, the zoo, and the ticket seller — would later play major roles in his life.

From Portland State, Leo (75) earned a bachelor's degree in biology which paved the way for a career in zoo management.

That first summer job at the zoo led to others there in future summers and stimulated interest in the career he pursued at college — a career that reached a peak just last February when he took the helm as new director of the Washington Park Zoo in his hometown.

And the female ticket seller, whose name was Gala, ultimately became Leo's wife, and today the couple has two sons, ages 10 and 8.

Something else that would be important to Leo was happening during the '60s — on Sunday afternoons in livingrooms across the nation.

That's when people gathered around their television sets to watch Mutual of Omaha's 'Wild Kingdom' — and it was that program, Leo remembers, that ushered in "a whole genre" of wild animal TV shows, shows which changed the way people looked at animals they had previously seen only in a zoo.

"The public today is so much more acutely aware of an animal's place in its environment and how that animal doesn't have a bubble around it," says Leo. "That animal has interaction with other animals and plants in that environment."

Such a revolution in the public's perception of animals has had a huge impact on the zoo policies Leo has administered during his career.

"We've got to take all those thoughts and ideas from the folks in the community and put them into a form that we can use," he observes.

(Bob Mullin is a freelance writer in Portland and a frequent contributor to Perspective. He is also a former PSU student.)

At Portland State, Leo was able to take a full load of classes during his senior year and at the same time participate in a management intern program at the zoo where already he had spent five summers acquiring "a really broad experience" as a ticket taker, as a grounds maintenance man, as a concessions manager, and as a relief animal keeper.

"I was pretty lucky," he recalls. "In that even as early as my freshman year in college I had set my sights on what I wanted to do. One of my life priorities was working in a zoo because I just thoroughly loved it."

The diversity of the PSU program proved especially helpful to Leo.

"Aside from the zoology and biology courses required for my major," he says, "I was able to take a lot of public health and psychology courses important in zoo management." Leo later earned a master's degree in recreation area management at the University of Wisconsin. Then, as assistant director of the Vanier Park Zoo in Madison, Wisconsin for nine years and as head director of the Port Defiance Zoo and Aquarium in Tacoma, Washington for four, he was able to put his education to practical use, supervising the upgrading of both zoos that resulted in sharply increased attendance and revenues.

The change was especially dramatic at the Port Defiance Zoo, which was described as "in terrible shape" when Leo took it over. Before he left, the zoo was recognized by the National Humane Society as one of the top five zoos in the nation for animal management and humaneness.

Now 35 years old, Leo looks at his acceptance of the Portland job as coming home. "It really feels neat to be walking down the street and run into someone I haven't seen for 15 years," he says.

When Leo became zoo director in February, he inherited a master plan drawn up in 1983. He says he feels good about the plan because it reflects the kind of environmental approach to zoo keeping the public has learned to want. He points to the newly opened Alaska tundra exhibit as an example.

"We've placed wolves and muskoxen and grizzly bears in a very natural environment," he says, "complete with natural rock forms and natural plant materials and with the kind of space those animals need to show their natural behaviors. The animals are benefactors of such an approach because of reduced stress, and in most cases animal management is much easier. And the people are the benefactors too because they come away from that experience with so much more understanding of the animal world."

Currently under construction at the zoo is a new bear exhibit about to open in mid-1986. As part of that project, a polar-bear-in-winter exhibit will depict the environment near Churchill, Manitoba, on Hudson Bay.

"It's about 7 o'clock," says Leo with a hush of excitement in his voice. "As you approach the inside exhibit, the first thing you will notice is it's dark, very logical for that time of year. You will also notice an air temperature 10 to 15 degrees cooler than outside. As you approach the animals, you'll notice an aurora borealis projected on the ceiling and all the walls are a kind of white stucco finish that really says tundra and snow and ice. If you happen to look over your right shoulder, you'll see the replica of a 12-foot polar bear on the wall.

"The real magic in that exhibit will occur as the visitor walks up to the inch-and-three-quarters-thick glass and comes nose to nose with polar bears in the water. Polar bears in the wild spend about 70% of their time in the water, and so that's a scene very few folks in the United States ever have an opportunity to see."

Leo says the outdoor polar-bear-in-winter scene will feature a stream and pool in a natural setting. Future projects include an African bush exhibit for such hooled animals as the hippo and giraffes that will, in the director's words, "carve out a little piece of Africa and bring it here to Portland." Leo also talks about the need to improve physical and programming aspects of the children's area.

"The challenge I feel as a zoo person," he says, "is to bring the excitement and magic of animal adaptation and learning about that adaptation to the public. When we place those animals in a natural environment, it gives our citizens a much better feel for what an animal's role in the environment is, what kinds of problems it has to cope with, and..."
Biologist dispels marine mammal mysteries

by Cynthia D. Stowell

The call can come any time of the day or night, on the ocean-blue phone in her PSU lab or in the middle of dinner at home. It might be the state police in Tillamook reporting a man with a harbor seal pup in his motel bathtub, or a patrolman in Lincoln City who says a couple of dolphins have washed up on shore.

The Marine Mammal Stranding Network is in action and Debbie Duffield has to make a decision. The first case is pretty straightforward. "Tell that guy he’d better put the pup back on the beach or he faces a $10,000 fine," she tells the police at Tillamook. "I'll send out an observer to see if the pup's mother is feeding him."

The second situation is a little tougher. Are the dolphins dead or alive? How long have they been there? Are they still alive? How long have they been dead, - and the animal."

Debbie Duffield, Biology

In a proposal presented to the city a couple of years ago, Duffield recommended a site at Delta Park where there are "tremendous waterways and you could even set up a wetland sanctuary." By leasing the land to a private concern, the city would have revenue to develop the rest of the park for sports or other recreational uses, suggested Duffield. "The wonderful thing is, the taxpayers wouldn’t have to pay for it," she says.

City Council has given its support to the concept and the Portland Park Bureau is currently completing an economic feasibility study of what it is calling an "aquatic theme park."

Commissioner Mike Lindberg hopes to make an announcement of the city's intentions in September. Occasionally discouraged by the slow wheels of government and business, Duffield remains hopeful. There is clearly a personal interest at work here, since an oceanarium would be of incalculable value to both the stranding network and Duffield's own research.

"I'd love to have some breeding programs and some species that are rare and haven't been held in captivity. Not only is that a unique exhibit, but it allows me to do biological work-up on the animals themselves, learning a little bit more about their ecology."

They call her Count Dracula

As it is, Duffield has a working relationship with virtually all the oceanaria in the United States, from Hawaii to Florida. "I have a walk-in freezer full of muscle, liver, kidney and blood samples that oceanaria have given me. Most of the places I go, when they see me coming they say, "Count Dracula is here!'"

It is a mutually beneficial arrangement. Duffield can satisfy her professional curiosity about the organization and behavior of marine mammal populations, and the oceanaria can use her data and discoveries to provide better environments for their animals or more successful breeding programs.

For an energetic woman who once planned to be a veterinarian and spent the summer between Pomona College and Stanford graduate school training dolphins, Duffield is surprisingly content at the microscope.

"Whales and dolphins are very difficult to study in the wild because you can't keep up with them," says Duffield, whose doctorate is from UCLA. "So I've developed ways to look at populations based on protein profiles and chromosome profiles of the individuals, and can tell something about the relationship between the individuals. It gives me a kind of a peek into those populations in a way I never got before."

For instance, Duffield and her assistants are working with a University of California-Santa Cruz...
Four pups in a pickup

Marilyn Smith (BS), corporate communications manager at Good Samaritan Hospital & Medical Center, Portland, is currently serving as president of the Healthcare Communications of Oregon. In addition, she recently was re-appointed to the program committee of the City Club of Portland.

Jim Booth (BS, ’81 MIST) is a staff clinical therapist at the Tucson, Ariz., Veterans Administration Hospital.

Jim Carragher (BS) has been promoted to director of sunshine sales at American Family Video Corp., West Linn, Ore. He has worked for Jaron, Video One Video Inc. and JM Business Equipment Inc.

Terry Christiansen (BS) is a special education teacher at Rainier High School, Rainier, Ore., where he teaches his learning-impaired students many of the skills they will need to begin making a living. Among the work skills his students learn are small engine repair, wood-working and shoe repair.

Ann Williamson Hyman (BA) is an independent clothing designer from Portland who has applied her training in painting and drawing to creating wearable art. Her work is sold in New York, San Francisco, Boston and occasionally at the Oregon School of Art and Crafts for about $500 to $1,000.

One was picked up by a beach visitor who couldn’t stand to hear him crying “ma-a-a-a.” Another was being harassed by kids throwing stones. The other two had been abandoned by their mothers. All four harbor seal pups were “rescued” by the Marine Mammal Stranding Network and delivered to the Washington Park Zoo, which agreed to feed and care for them until it was time to release them into the ocean. For a few weeks, the seal pups made a popular exhibit in the children’s aquarium.

Then one day it was time for them to return to the beach. PSU biology professor Debbie Duffield, local network coordinator, agreed to transport them in her pickup to a temporary home at the Newport Marine Science Center. There, they tentatively trooped into a pool to join two other stranded pups, then were tagged and given some practice chasing down live fish. The next day, five of them were released as a “cohort,” a natural seal grouping, and monitored by biologists until they were clearly making it on their own.

None of this would have been necessary, says Duffield, if people understood that female harbor seals give birth to pups on the beach and leave them there until they have enough blubber to survive in the ocean. The mothers usually come back at night to feed the pups, although they can go 48 hours without food. Citizens concerned about the welfare of a pup should call the state or local police, which will contact the stranding network. While waiting for an observer to arrive, it helps to put up a sign saying “Do not touch: seal is under observation.” The most important thing is not to move the seal because the mother might not be able to find it again.

Psyche. They were the first to notice the seal’s markings and to call it to their attention.

Photos by
Cynthia D. Stowell

AlumNotes
Continued from p. 4

Kip Smith (BS, ’74 MIST) and his wife, Ann, of Guilder, N.Y., have been chosen to attend a prestigious 45-day graduate course at the University of Miami, where they will receive training in the fields of marine biology and oceanography.

Evelyn Settle (BS, ’76 MIST) is a staff medical assistant at the Good Samaritan Hospital & Medical Center, Portland. She is currently serving as president of the Healthcare Communications of Oregon. In addition, she recently was re-appointed to the program committee of the City Club of Portland.

Jim Booth (BS, ’81 MIST) is a staff clinical therapist at the Tucson, Ariz., Veterans Administration Hospital.

Oscar Flores (BA) is director of the Casby Gallery on the island of Maui in Hawaii. His own impressionist and primitive paintings, which have been widely exhibited and sold on the island, appeared in a juried show, “Art Maui,” in March and a solo show in July. William A. Groener (BS) is a courtroom clerk and bailiff in Multnomah County District Court since 1977, he has been appointed to a full-time salaried post on the state Board of Pardons and Parole. His term on the five-member board began July 1 and ends on June 30, 1989.

Ruth Hulet (MATT) is a seventh-grade English teacher at Huntington Junior High School in Keizer, Wash., who distills her love of poetry in the classroom to help instill a love of the written word in the minds of her students. She has taught English at the school for the past nine years, and is the mother of four grown sons.

Tammy Liebman (BS) has been appointed director of personnel at Limestone College, McManusville, Ohio.

Francine Kaufman (BS, ’71 MIST) works in the recreational unit at Milwaukie Community Center, Portland, where she teaches several classes and hires other teachers. Robin F. Rinsma (BS) is employed by the Oregon State Police, where he recently was promoted to the rank of detective.

David W. Schmidlapp (BS) is a certified public accountant with offices in southwest Portland.

John R. Abrams (BS) has been named Outstanding Associate Member of the Oregon Section of the American Society of Civil Engineers for 1984. He is a project engineer on the civil engineering staff of CH2M-Hill in Portland.

Karen Ohlinger Whitehill (BA) recently returned from a year-long bicycling trip through Europe with her husband, Terry. They covered 14 countries and 10,015 miles from Sweden to Greece, usually camping on route. She is now writing a book about their adventures.

Alice Friesler (BA) has joined the advertising staff of The Oregonian newspaper as one of two new newswomen. She formerly worked as a public affairs assistant at Providence Child Center in Portland, as well as a business and marketing manager for the YMCA Metro Fitness Center in Portland.

Pamela Luna-Raffy (BA, ’82 MIST) is attending Loma Linda University in California, where she is working on her doctorate in public health with an emphasis in health education and promotion. Her article, "Kids as Consumers," has been accepted for publication in the Journal of School Health.

Louise Birndorf Salen (BS) has been named marketing communications manager for the Portland Point Systems Inc., in Beaverton, Ore. She is responsible for managing all marketing communications projects for the company, including public relations activities, advertising and sales promotions.

Deb Williams (BS) has two weekly radio programs, the “Portland Television News” show. She is a sales representative for the “Lockline,” a Portland commercial print company. Her goal is to be on the Portland television station news staff.

Mervin Zall (BS, ’82 MIST) is the new health care policy coordinator for the Oregon Health and Education Services, Portland. He also works as a sales representative for the “Lockline.”

Marc Levine (MUP) has been selected as the new assistant director of the Northwest Neighborhood Program office in Portland. He is the president of the Northwest Neighborhood Association and serves as the crime prevention coordinator for the city’s Neighborhood Partnerships.

Le A. Lyons (BS) has been named the Portland Water Bureau’s new director of water quality.

John Monti (BS) has been named the new executive director of the Portland Neighborhood Program office in Portland. He is the president of the Northwest Neighborhood Association and serves as the crime prevention coordinator for the city’s Neighborhood Partnerships.

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In search of rare caprinae

by Cynthia D. Stowell

The local livestock agent for the Italian Ministry of Agriculture shakes his head. The Carapelle sheep is extinct; the last one died years ago. But Clarke Brooke persists. He asks the agent to make some phone calls while he waits. Finally, to the agent’s amazement, the news comes. There is a Carapelle ewe in his district, and the farmer has invited them to come take a look.

Brooke identifies the world’s last Carapelle, measures and photographs it, takes skin and fleece samples, and interviews the farmer. It is a bittersweet occasion. The PSU geographer has arrived in time to include the ewe in his study of domesticated breeds of sheep, but too late to prevent the Carapelle’s extinction.

Why should anyone be concerned with such a quiet passing? Will the world be a less desirable place without the Carapelle sheep?

According to Brooke, an international authority on rare breeds of domesticated animals, the disappearance of a species can mean the loss of valuable genetic characteristics. It can signal an ecological change or the closing of a chapter in economic history. It is always worth noting in the annals of biogeography, and Brooke is likely to be the one making the note.

For nearly two decades, Brooke has tramped all over the globe in search of rare breeds of farm animals, as well as the related phenomenon of feral animals—domesticated breeds that have returned to the wild. Geographers share with historians and ecologists an interest in looking at the effects humans’ actions may have on flora and fauna,” said Brooke of his unusual focus. “But very few geographers concentrate on domestic animals. Even biogeographers deal mostly with wild forms.”

“After all, doesn’t man owe something to those animals he has developed for his own purposes?”

Brooke started out in agricultural geography, and his doctoral research was a comparative study of agricultural villages in Ethiopia. He came to Portland State in 1954, where he developed a reputation as an expert in Middle East issues, including food shortages and land use.

It was when the geographer went to Kabul University in Afghanistan to teach on a Fulbright-Hays grant in 1967 that his focus changed. The Arab-Israeli War was on, and when students at Kabul went on strike, Brooke found himself with no classes to teach.

“The University had a Land Rover and a driver available for field research. So I asked permission to use them. I think they were delighted to get rid of me.”

Brooke roamed the Afghan countryside and was struck by the variety and importance of sheep in the arid land. He wondered why each geographical area had its own breed and how the country’s economic dependence on sheep had developed.

It promised to be a fascinating coalescence of geography, biology, history and economics, and Brooke was captivated.

Since then, Brooke’s research, funded variously by the National Science Foundation, the National Academy of Sciences, the United Nation and Portland State, has taken him to North Ronaldsay Island in the British Isles, where the seaweed-eating native Orkney sheep has occupied a narrow strip between the ocean and a high rock wall for hundreds of years; to the Mediterranean to survey sheep from Portugal to Turkey; to the French Antilles, where introduced breeds of sheep, goats, cattle, pigs and horses still exist, mostly in the wild; and to the Eastern Caroline Islands, home of a feral pig resistant to deadly hog cholera.

Occasionally, Brooke offers his expertise when the fate of a particular feral breed is in the balance. In one case, the island of Hawaii a few years ago, when the interests of the Palila bird and certain feral sheep came into conflict.

When wild and feral animals compete

Introduced by Europeans in the last century, the sheep were abandoned when the wool industry declined, and they began competing with commercial cattle for grass. Their population was thinned out by licensed hunters, and the survivors went up into the mountains, where they began destroying the habitat of the Palila. The U.S. government, obligated by law to protect the endangered bird, planned an aerial gunning program to eliminate the sheep, but local hunters who had developed a taste for mutton made a rare alliance with an animal rights group and won an injunction against the gunning.

Brooke, in Hawaii on his way to the Carolinas, made a quick assessment of the controversy and recommended that the sheep be reduced to about a hundred head and maintained at that level. But the court could no longer delay the gunning, the sheep are now gone, and Brooke is wondering whether the abundance of grass might increase the chances of fire—which would put the Palila bird at risk again.

In the hierarchy of endangered species, domestic and feral animals rank well below wild species, explained Brooke. “If a wild species is being threatened by feral animals, the interest of the wild species should be considered first,” he said. Feral animals are not protected by the federal Endangered Species Act of 1975 and it is only recently that the Species Survival Commission of the Geneva-based International Union for the Conservation of Nature and Natural Resources (IUCN) added a ‘caprinae’ subcommittee to identify endangered feral sheep and goats. Brooke sits on that subcommittee.

In Britain, the Rare Breeds Survival Trust has been encouraging farmers to maintain their old breeds through regular husbandry techniques, and just since 1979, a number of threatened breeds have made a comeback. In the U.S., where farmers have favored rapid genetic improvements in their stock, the American Minor Breeds Conservancy is only now launching an inventory of rare breeds Brooke will assist.

“After all, doesn’t man owe something to those animals he has developed for his own purposes?”

Brooke submits Brooke, straying uncharacteristically into the territory of interspecies ethics. Consider also the benefits to humans, he adds. Australia and New Zealand have domesticated feral animals with profitable results. And feral or rare breeds present valuable cross-breeding possibilities when they possess such traits as disease resistance, hardiness, or reproductive success.

“Old breeds are useful raw material for the historical geographer,” notes Brooke. “The study of existing old breeds can fill in the sketchy knowledge of the process of domestication and the development of modern breeds.”

In his teaching and research, Brooke has also taken an interest in those wild species of animals and plants that face extinction. At PSU, where Brooke’s colleagues selected him this spring for the George and Virginia Hoffman Award for Excellence, the geographer’s most popular class is a world survey of endangered species. The course, which grew out of the environmental consciousness of the 1970s, focuses on “the human activities that have brought these species to some level of peril.”

The issues in wild species preservation are just as complex and emotional as in feral animal survival, suggests Brooke. “Wild animal and plant conservation is a Western luxury to some peoples. For them it’s a matter of survival from day to day.”

It’s easy to blame a big international corporation for its role in depopulating a resource, notes Brooke, but what about subsistence farmers who are destroying the tropical rain forests to clear land for their crops? Scientists and social scientists like Clarke Brooke can at least offer their expertise to help solve such environmental riddles. And when they’re not asked or it’s too late, they can use the situation to add to the world’s knowledge.

That’s why finding the last Carapelle ewe was so important to Brooke.
Natural history museum to house PSU collections

by Cynthia D. Stowell

Standing out of glass cases, lying in neat rows in metal drawers, or embedded eternally in rock, thousands of PSU animal specimens abide. For years, their bones and skins have provided instructional and research opportunities for students, faculty and community scholars. Nearly invisible to the public, the valuable collections await the day when they will take up residence in the Northwest Museum of Natural History.

PSU alumnus, visiting researcher and museum director David Taylor (73, ’77 MS) has an office amidst the fossils that represent the museum’s first acquisitions. Temporarily housed in the University’s Earth Sciences Museum in Cramer Hall, the embryonic Northwest Museum of Natural History has existed for two years in the minds — and closets — of Taylor and his wife, designer Ann Kendall Taylor. Now, with a board of directors in place, an advisory council meeting regularly, and non-profit papers in order, the museum is becoming a reality.

Serving on the advisory council are members of PSU’s geology, biology, and anthropology departments, all of which have specimens that will be loaned to the museum once it finds new quarters. The advisors have also been brainstorming to generate exhibit concepts and design ideas.

Visitors to the Northwest Museum of Natural History might one day take a walk through Oregon, pay a visit to the age of dinosaurs, and stand eyeball to eyeball with a skeletal sperm whale.

“We’re looking for innovative ways to tell the geologic and life history of Oregon at the same time,” said Taylor, who has his Ph.D. in paleontology from the University of California-Berkeley. “We also want to have a lot of spectator participation. For instance they could pan for gold, or locate features on a push-button relief map of Oregon.”

“...and the museum might keep people in the city one more day as well as give them ideas for visiting other parts of Oregon.”

Dick Forbes, a museum advisor and PSU biology professor, believes the museum could be a “major contribution to the community.” He sees two roles for the institution — to educate the public and to encourage research. Locating the museum near the campus would provide PSU students with even greater resources than they already have with the biology collection that Forbes oversees.

Over the years, students enrolled in vertebrate articulation classes have prepared most of the skeletons and “skins” stored and on display in two rooms of Science Building II, said Forbes. Specimens have been collected in the field by students and faculty or have come from zoo fatalities.

The biology collection was started by former professor George Fisler, whose principal interest was fish. Since Forbes came to PSU in 1964, he has made a conscious effort to expand the diversity of specimens and to collect species series, at least 15 members of each sex, to illustrate individual variations. The collection now consists of 2,600 mammals, 1,000 birds, 3,300 amphibians and reptiles, and 1,500 fish. Many more specimens have yet to be “worked up” and curated, said Forbes.

Taylor, who served as paleontology research director at the Oregon Museum of Science and Industry for several years, sees the Northwest Museum of Natural History as a foundation from which research expeditions can originate. “The museum would encourage students at both the secondary and college levels to do field study,” thereby building the museum collection, he said.

Taylor’s own excavation experience began in high school, when two fossilized mammoths were found in Southwest Portland. He went on to gather “the largest collection ever assembled from the John Day fossil bed” in central Oregon.

Much of this collection was donated to the University of Washington because there was no suitable repository in Oregon. Taylor feels a major museum would help prevent such materials, and those from amateurs — who are responsible for “a lot of the real important finds” — from leaving Oregon.

Looking into the display cases, cabinets and drawers in Cramer Hall and Science Building II, it is easy to imagine a museum of natural history of the scope the Taylors and their advisors envision. And the Tyrannosaurus rex, the snow leopard, the Pacific striped dolphin, the ammonite shells, the prehistoric pig frozen in rock — they all wait.

Oregon, with its diversity of climate, plants, animals and human culture, has much to contribute to the field of natural history, feels Taylor. After all, it was in the volcanic ash deposits of central Oregon that archaeologists once found a three-toed horse that filled in an evolutionary gap between primitive and modern horses, said Taylor. The museum could tell many such stories.

A natural history museum in the state’s most populous area could also be a boon to Oregon’s tourist business, added Taylor. “The museum might keep people in the city one more day as well as give them ideas for visiting other parts of Oregon.”

David Taylor (’73, ’77 MS) with Cymbospondylus

Dick Forbes, Biology
Gene Leo

Continued from p. 5

the niche it has and to continue to pursue. Leo has also found that the operation of a zoo is not unlike the operation of a small city. Recently, Leo has been working with the Oregon Museum of Science and Industry (OMSI) and the Western Forestry Center to improve a congested parking situation in the parking area shared by the three organizations.

"We have such a traffic and parking problem on peak days," says Leo. "It's a great example of an urban planner's dilemma."

Directing a zoo often has as much to do with people as with animals, and Leo's aim is to get the best out of the 80 full-time and 120 seasonal employees of Washington Park Zoo.

Debbie Duffield

Continued from p. 6

researcher who has been observing bottlenose dolphins in Florida for more than a dozen years. Through identifying and tracking an unusual chromosome in a certain population, Duffield has been able to confirm the researcher's theory that bottlenose dolphins are organized around "a kind of female hierarchy."

In another project, this one based in Hawaii, Duffield is helping to re-establish endangered monk seal populations suffering from abnormally high male-to-female ratios. "We've been checking the genetics to make sure we're putting the right stock in the right places," said Duffield.

"It's exciting to tie into those programs because you feel you are actually involved in the field work," said the PSU researcher.

Although the research Duffield carries out can be somewhat esoteric, she is clearly committed to sharing what she knows with the public. In fact, she doesn't understand the current mystique surrounding wild animals.

"A lot of animal rights groups - they've made tremendous inroads and produced great legislation - but they have this real hands-off attitude. They're trying to treat these animals as some unusual supernatural beings. But they're animals! We have to take care of them, but we're never going to be learning anything about them if we don't interact."

At the same time, she can tell some shocking stories about humans tampering with seal pups, but her patience with the average citizen runs deep. "The fact that they care is wonderful. It's just that their care is misplaced and they don't understand the biology of the animal."

Duffield blames herself and her colleagues for the lack of information. But given a platform like the standing network or an oceanarium, Duffield can happily correct this oversight.

Oregon lakes surveyed in book

Three PSU faculty members are co-authors of a new reference work on Oregon's principal lakes and reservoirs. Daniel Johnson, Geography, Richard Peterson, Environmental Sciences and Biology, and D. Richard Lyman, Geography and Urban Studies, joined three other authors in producing the 317-page Atlas of Oregon Lakes, just published by Oregon State University Press.

The book, expected to enjoy wide readership among such groups as sportsmen, recreational users, agricultural users, conservationists and scientists, details current lake conditions and provides basic information on the chemical, biological and geographical characteristics of 202 lakes and reservoirs and their drainage basins. According to Johnson, previous efforts to inventory Oregon's lakes have been piecemeal and are now outdated.

A shared concern for lake water quality led the co-authors to begin the intensive, four-year research effort to see which of the state's many lakes had been showing water quality declines. Study results basically reinforce the notion that water in Oregon's lakes is mostly of very high quality. But its authors caution that "recent recreational and developmental pressures have led to a degradation of several lakes, particularly those with a high degree of public visibility."

The lake survey was funded by the Clean Lakes Program of the federal Environmental Protection Agency (EPA). Johnson was the project coordinator, Peterson supervised the chemical and biological examinations of the lakes, and Lyman was the cartographer.


Prof, alum collaborate on Portland history book

Alumni, foundation members and other friends of Portland State are invited to celebrate publication of Portland, Gateway to the Northwest by PSU historian Carl Abbott, 5-7 p.m., Sept. 12 at the New Market Theater in downtown Portland. The 270-page pictorial history of Portland, one of a series produced by California's Windsor Publications, has been sponsored by the PSU Foundation, which receives a portion of each sale.

PSU alum Richard Pintarich, a free-lance writer, wrote the section on Oregon's principal lakes and reservoirs, an area "he's been interested in for many years." Pintarich has also written two books on the Willamette River. Currently working on a book on Oregon's lakes, he said he hopes to have it out within the next year.

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Charmed by the chickadee

by Cynthia D. Stowell

Walking in the woods with Philip Gaddis (75 MS) is like taking on new eyes and ears. Hidden berries pop into view and the chattering of birds spots out into distinct messages.

"They're talking about us," he says, cocking an ear to a chorus of chick-a-dee-dee-dee calls. Then suddenly he's on his knees, watching maggots weave in and out of a dead baby bird.

"I like to go out to the woods and follow what interests me most," says Gaddis, roughly echoing 19th century naturalist Henry David Thoreau. But today he has a particular mission. With a ladder slung on one shoulder and binoculars ready around his neck, he is in search of cedar boxes nailed to tree trunks. Inside them he hopes to find chickadee nests with families started.

"Over here!" he calls, standing under a box.

"Hear them begging!"

Under the watchful eye of the mother, the ornithologist quickly and gently lifts the babies out and deposits them into a plastic bag, removing them one by one as he weighs the bag on a hand balance. In moments, the disturbance is over and the mother returns to her brood. The visiting human, with the data he needs, is swallowed up by the forest.

Gaddis and volunteer assistants placed the boxes, over 100 of them, in three different forested areas in Portland's West Hills. The area was sprayed with pesticide last year in an effort to eliminate the destructive gypsy moth, which in its larval stage is at the core of the chickadee's diet. Gaddis wants to know what effect any future spraying will have on the local chickadee population.

The boxes went up too late during the spray year for any conclusive data. But informally, Gaddis noted that the few established nests failed. "You can sit in front of the nests and see what they bring their young," said Gaddis. "Usually it's 90-95% caterpillars, at the rate of one every two minutes for hours. But these chickadees were bringing sunflower seeds, grats. The babies starved."

"They’re talking about us," he says, cocking an ear to a chorus of chick-a-dee-dee-dee calls.

This year’s data should reveal the normal number of eggs laid, the growth curve and the number of young birds “fledging,” or leaving the nest. Data gathered during a spray year can be compared to these standards.

The U.S. Fish and Wildlife Service has provided the boxes, but Gaddis and local environmental activist Charlie Corcoran have been volunteering their many hours in the woods. Gaddis, Corcoran and PSU biology student Theresa DeLorenzo were "off and running" on another U.S.F.W. project studying turtle ecology in Washington County this spring when their grant expired and the trio of researchers found themselves putting in volunteer time. To ensure his rent is paid and his stomach filled, Gaddis takes on such "dull" jobs as reviewing environmental impact statements and counting birds.

Freelance biology can be an uncertain living, and Gaddis’s dream is to gather his projects under the wing of the Northwest Ecological Research Institute, a brainchild hatched this year as a funding vehicle for Gaddis and his partners. "With Theresa’s business head, my credentials and Charlie’s energy," Gaddis says, the institute has a good chance of producing valuable research, particularly in the "biology and conservation of species that are threatened by urban expansion." Another PSU grad, Mitch Wieghe (80 MS), is helping direct the young organization.

The research institute would also enable the well-traveled biologist to live where he wants to live—in the Pacific Northwest. "I really enjoy living in a biologically diverse environment," said the Portland native, "going out in the woods and seeing 20 species of birds and 50 species of insects."

Gaddis left Portland State, where his graduate research focused on captive electric fish, wondering if the behaviors he had seen in a captive environment would be the same in the wild. Enrolling in the Ph.D. program at the University of Florida, he made a practical decision. Since wild birds were "so observable, so available," they would make good research subjects. His dissertation concerned the vocal behavior and social ecology of the Carolina Chickadee and the Tufted Titmouse.

His romance with the chickadee had begun. Gaddis’s eyes brighten and his words soften when he gets on the subject of chickadees. "You can’t find a bird that’s more adorable," he says. "It would be safe to say that one-third of all forest birds in art are chickadees. But they haven’t been popular research subjects. I can’t understand that, because they’re common, widespread and tame. And they’re delightful to work with."

"Chickadees have the most complex non-human language, as far as is known," asserts the ornithologist, who has published articles on the subject. "They advertise their territory, display dominance and aggression, and sound alarms using variations of the three note types in the chick-a-dee-dee calls. There are syntactical rules about these variations which change from species to species and dialect to dialect." "Chickadee flocks even have argots which new members have to learn to fight their way into a flock," by now Gaddis is beaming. "Isn’t that amazing?" he says with wonder.

"Such vocal sophistication is no less amazing to him because it is explainable. While chickadees do nest in lifelong pairs, have distinct families and mix in winter flocks, they still are "extraordinarily individualistic," says Gaddis. And because their feather coverings "don’t allow for facial expression, they use vocal cues to tell each other apart."

"For Gaddis, it is a privilege to watch and record the chickadee. "But sometimes I feel like a voyeur," he says, almost apologetically. "I see the most intimate details of their personal lives. I’ve even watched marital breakups."

To not look at all would be unthinkable, however. Because, in Gaddis’s view, to not be aware of the natural environment is not to live. "People don’t appreciate what they have," he says. "They don’t realize that ecological diversity is an important component of the quality of life."

"That’s why people can put up those bug zappers," he says, lighting on a pet peeve. "Don’t they understand that they’re killing some really extraordinary creatures?"

Given his strong opinions, Gaddis could be a strident voice in environmental politics, but he’s not. "I don’t really think in terms of issues. An artist doesn’t think about what the world needs. He or she thinks about what he can do and accomplish. It’s the same with a scientist. You have to follow your own interests."

And that’s what Gaddis does in the woods every chance he gets.
Auction to help athletes

There are two ways you can help the Viking Athletic Association with its annual scholarship auction in October.

The first way is to be there. The date is October 26 and the place is the Lloyd Center. Silent auction begins at 5 p.m. and oral auction follows at 7:30 p.m. Tickets, at $32.50 per person, include dinner and admission to the auction.

The second way to help is by donating items for auction. Here are some ideas: vacation homes, restaurant meals, tickets to the Blazers or Mariners, ski passes, new clothing, appliances, cases of wine. Use your imagination! Don Palmer, of Palmier, Groth and Pietka, is auction co-chair in charge of donations, so give him a call at 226-0983 with your ideas. Remember, donations are tax deductible.

Proceeds from the VAA auction help provide scholarships for deserving PSU athletes. With an auction goal of $25,000, the VAA is counting on your help.

Vintage jazz fans, take note. The theme of the October event is "Old Town," so get ready for some toe-tapping.

Annual Fund breaks record

Alumni and friends of Portland State have shown their generosity in record-breaking proportions this year. The 1984-85 Annual Fund surpassed all the previous totals with $1.354 million in gifts, reported PSU development officer Floyd Harmon.

The second best showing was in 1982-83, when $98,000 in gifts were logged. Last year's total was $71,095. Harmon was also pleased that the number of donors had doubled over last year, from 1,460 to 2,875. "This is a good strong base of support," he said.

Gifts were solicited by a group of sixty volunteers, mostly PSU alumni, and a student phonathon crew that worked five evenings a week from January through May. "Special thanks go to Annual Fund chair Chuck Clmenson, who steered this campaign to such a successful conclusion," added Harmon.

Annual Fund donations are being used to fund university scholarships and special one-time grants to help students finish their degrees, to support faculty recruitment and research, to establish the informal library, to assist student organizations and events, and to provide support to special departments outside the state budget allocations.

PSU plans 40th year celebration

Portland State this year celebrates 40 years of quality teaching, research and public service in the metropolitan region with a series of events and special projects, drawing attention to the University's role and contributions to the community.

Since the opening of classes at Vanport following World War II, hundreds of thousands of students have registered for courses and more than 40,000 have earned degrees at Portland State. Producing greater public awareness of the PSU family on the community of the University and its alumni is a major goal of the 40th year observance.

Some of the activities being planned include an area-wide "PSU Week," special public service and advertising programs in area media, a series of radio and television spots announcing PSU alumni, special alumni events on campus, and recognition of PSU by major corporate and government entities in the area.

An alumni committee, chaired by Jim Griffith (67), is planning a 40th year observance for February 28, building on last year's successful "39th Birthday Party" at Rian's Atium Restaurant. This February, the celebration will move to a larger space, the Smith Center Ballroom. Subcommittees are meeting to plan various aspects of the event, including entertainment, food, an auction, prizes and other activities.

In Memoriam

Jeany D. Grace (82), a Marine first lieutenant, is on a six-month assignment to the Marine Corps Air Station at Futenma in Okinawa, Japan, where stationed with Marine Aircraft Squadron 34.

Bradley F. Reuse (83) reports that he is selling medical supplies for Upjohn Co. in central Washington state. He lives in Yakima.

Michael C. Flynn (83), a Navy ensign, recently reported for duty with Helicopter Combat Support Squadron Three, located at the San Diego, Calif. Naval Air Station.

Jeff C. Macy (84) has been named as a tax supervisor in the Portland office of Touche Ross & Co. CPAs. He has four years experience in tax consulting with both law and accounting firms and holds a law degree as well as the master's in taxation he received from PSU.

Sandra Humphrey's (84), fitness director for Saveway Stores Inc., has received an award from the Oregon Governor's Council for Health, Fitness and Sports for her volunteer work with the grocery store's fitness program, for authoring a company fitness publication, and for conducting more than 50 health and fitness presentations to Portland-area companies.

Johann P. "Joe" Karp (79), a physical education instructor at Kelso High School, Kelso, Wash., has been named national director for Project ACTIVE (All Children Totally Involved, Educating), a program which seeks to improve the coordination of handicapped students.

Paul D. Lynch (82) has completed Aviation Officer Candidate School at the Naval Air Station in Pensacola, Fla., and has been commissioned in the rank of Navy Ensign. He is the son of D. Richard Lynch, a professor of General Urban Studies at PSU.

Edna Mae Pittman (82) has begun a three-year course of study as a regional director for the National Council of Community Mental Health Centers. She recently completed her first year of study towards a master's degree in public administration at PSU.

Andrea Schnab (82) is teaching physical rehabilitation and exercise at Oregon Coast Community College in Costa Mesa, Calif.

David W. Frence (85), acting director of the Clark County Historical Museum and curator of the Ulwises S. Grant Museum in Vancouver, Wash., has been named permanent director of the two museums. As part of his master's degree program in public history at PSU, Frence wrote his thesis on the street railway system in Vancouver.

Jenni Husley (86) is still competing in her athletic specialty after suffering a lifetime-limit 6:36 in the high jump to claim the bronze medal at the 1984 Olympic Summer Games in Los Angeles. Now she is putting her new PSU master's degree in geology to work in her job at a southeast Portland residential care center for the elderly.

Abdulla Saei (82) is the co-owner of a new restaurant called Cafe Di Roma which recently opened in the Triangle Shopping Center, Longview, Wash. The eatery features a Greek cook, a Turkish chef and two owners from Tripoli.

John R. Wieseman (81) was named executive director of the Oregon Department of Human Resources.

In Memoriam

Gary J. Cecil (71), senior account executive for The Oregonian Publishing Co., Portland died May 31 of an apparent heart attack in an Oregon City hospital. He was 53. Survivors include his wife, his two sons, three sisters and a brother.

Loren Duane Cyrus (59), a Portland certified public accountant, died June 13 of kidney failure in a Portland hospital. He was 55. Survivors include his wife, his daughter, a brother and a sister. The family suggests that memorials be contributions to the Portland Zoo Society.

Jean H. Egleson (56) of Portland died May 10 in her Newberg, Ore., home. She was 73. She taught at Sherwood and Tigard high schools, then taught at PSU for three years. She joined Portland Community College in 1966 and taught there for 30 years until her retirement. She leaves a husband, three daughters and eight grandchildren.

Allen G. Mickey (70), who worked for the Oregon State Highway Division at Corvallis, Ore., died March 21 of a massive heart attack. He was 57. Survivors include his wife, four young children, his parents and two sisters.

(Dane) Richard Allen Nelson (61), a retired state game warden, trapper and control officer, died April 11 at his home in Aurora, Ore. He was 52. Surviving are his wife, three daughters, two sons and a brother. The family suggests that memorials be contributions to the Love of Life of Oregon in 530 S.W. Third Ave., Portland, Ore., 97204.
Alum makes difference in Belize assignment

As Barbara Fagan ('81 MS) packs her bags after a two-year tour as a Peace Corps volunteer in the Central American country of Belize, she can look back with satisfaction.

"I've been able to instigate some change in the treatment of children with disabilities that the people really wanted for themselves," she says. "There haven't been any miracles, and there won't be any, but some honest, progressive movement has been made."

When Fagan arrived in Belize (formerly British Honduras), special education for children with disabilities was being offered at only one school in the entire country, and few people were trained to recognize and deal with children's special needs.

But Fagan has been at the center of some encouraging developments. One of them began more than a year ago at St. Ignatius, a grade school in Belize City, where Fagan persuaded officials to let her organize a special class for children with learning disabilities. Children who had been punished for their slow learning and labeled "bad actors" soon began to learn, and discipline problems evaporated as their needs were met.

Fagan was also able to get a Peace Corps Partners grant of $5,700 to move the class from the parish panzonage to a new special education building. By the time the class moved in after Easter vacation this year, Fagan had turned over full teaching responsibility to a young Belizean woman who had interned under Fagan in 1984.

Before she leaves Belize, Fagan also will have helped certify almost 50 volunteers to work in community-based rehabilitation. As part of a pilot program, she has trained lay persons in stimulation techniques used with homebound children with disabilities. With hardly enough doctors in Belize to make initial diagnoses in such cases, the regular attention of trained laypersons can dramatically improve the condition of these children.

Often working 12 hours a day, the busy Peace Corps volunteer was apt to be seen leading a late afternoon aerobics class for working mothers, confronting with Education Ministry officials, stenciling T-shirts to raise funds, assisting with eye-screening clinics, visiting children in the hospital, and conducting neighborhood classes on budgeting and child care.

Fagan's career in special education began at the Idaho State School for the Handicapped, where she worked after graduating from the University of Idaho in 1977. While pursuing her master's in special education at Portland State, Fagan was the sheltered services director at the Tualatin Valley Workshop and after graduation she went to work for Multnomah County as a specialist case manager in the mental retardation developmental disability program.

Then, in 1983, she took a leave of absence to join the Peace Corps.

"Most of my friends and associates were very well-traveled, and I was not," she explained. "Their stories and experiences made me feel, I gotta go. But I'm too much of a workaholic to just travel, so I had to find a way I could live overseas and make a contribution as well."

Fagan's contribution to Belize has been to stimulate a greater awareness of the needs of children with disabilities and to start programs that the Belizeans can take over. These are Fagan's rewards, too.

Three more alums named interns

Three recent graduates of PSU's master's program in Public Administration have been named Presidential Management Interns for 1985-87. This brings to 18 the number of PSU students selected for the prestigious apprenticeships since the federal program was launched in 1978 by the Office of Personnel Management.

Samuel Collie, Jr. ('85) will be a management trainee in the U.S. Department of Justice, while Douglas Lee ('84) and Christopher Singer ('85) will serve in the Health Care Finance Agency (HCFMA). Their terms begin in late August.

Such internships often serve as occupational springboards to management-level careers in the federal government, noted Walter Ellis, head of PSU's Department of Public Administration.

Grad wins prestigious medical award

Margaret Bennington-Davis ('83 MS, '85 BS) has been named winner of the coveted Medical Research Foundation of Oregon Fellowship for 1985. The first woman to win the award in the four years it has been offered, Bennington-Davis will be entering the Oregon Health Sciences University this fall.

The MRF Fellowship carries a monthly stipend of $546 and pays all tuition and fees for the six years needed to complete her combined M.D.-Ph.D. program there.

Bennington-Davis plans to specialize in clinically-oriented medical research after graduation.

Reflecting on her award, Bennington-Davis said, "I feel that it will allow me to have many more choices about my career. It also will open many doors for me at the medical school, where knowledge of my award may prompt more researchers there to share results of their work with me."

Bennington-Davis, who has a master's degree in psychology and a bachelor's in biology from PSU as well as a bachelor's in psychology from the University of Montana, spent 1980-82 at the Veterans Administration Medical Center in Portland studying the use and abuse of medication for chronic pain and illness among patients and their families.

Since 1982, she has conducted research for a private clinic, Pacific Northwest Psychiatric Clinic in Portland, on the use of anti-depressant and anti-anxiety medications currently awaiting FDA approval prior to release on the open market.

Tuition change will benefit grads

PSU alumni and others with college degrees will find it less expensive to take classes at PSU beginning this fall, with the implementation of a new tuition policy.

Previously, students with college degrees ("post-baccalaureates") who took more than seven credits per term were charged the higher graduate-level tuition for all classes, even those at the undergraduate level.

Under the new policy, only students admitted to a formal graduate program at PSU (or the "standard" teaching certificate program) will be termed graduate students and will pay graduate-level tuition for all classes. All other students, including post-baccalaureates, will pay tuition based on the level of courses taken.

This new policy should be a boon to students returning to the classroom for further undergraduate education either to update knowledge or train for new career responsibilities. It is believed that many post-bacc's have restricted their course load to seven or fewer credits in order to avoid the higher graduate tuition assessed after eight credits. For example, of the 1,113 post-bac's enrolled last fall, only 364 carried eight or more credits.

Tuition & Gym

Alumni Benefits Card

229-4948

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University makes friends in state legislature

by Clarence Heim

Sidewalk superintendents this fall will be keeping tabs on construction of a new Professional Schools Building at Portland State, easily the most visible result on this campus of the recent state legislative session. What observers see through the construction fences at S.W. Sixth and Harrison will be only one positive result, however, and arguably not the most important one to emerge in Salem this year.

For higher education and for Portland State in particular the 1985 legislative session produced significant advances, evidence both of a growing appreciation of the importance of higher education and of the ability of the state system and the institutions to get their messages across to decision makers in Salem.

Legislators approved an increase in higher education’s biennial budget from $440 million in 1985-86, including more than $40 million in state lottery funds. There was funding for salary enhancement, program improvement, capital construction, a partial tuition freeze and educational equipment. And along the way, there emerged from legislation an understanding of higher education’s role and its chronic level of underfunding.

At the same time, Portland State University found vocal legislative advocates. State Senator Frank Roberts (D-Portland) and Representative Tom Mason (D-Portland) used their positions on Ways and Means committees to repeatedly make the case for PSU in budget allocation discussions.

Perhaps the most significant result of this advocacy was the opportunity to attach a “budget note” to the higher education budget. The note directs the State’s Higher Education, “To plan for a change of status for Portland State University from that of a comprehensive university to that of a comprehensive research university with the accompanying changes in admission standards for students and faculty staffing patterns.”

Presently, only the University of Oregon and Oregon State University are characterized as comprehensive research institutions. Advocates of the budget note pointed out that the difference in designation has created difficulties for PSU in developing programs at a time when a major research institution, especially in high technology programs, is needed in the metropolitan region.

Senator Roberts put it bluntly in one way and Masons hearing: “People are getting sick and tired of the state not creating a research institution in the Portland area.”

Although the budget note fostered immediate negative reaction from Eugene-area legislators and newspapers, the note could affect both the way universities are characterized in the state’s system’s master plans for development and the way other funds are distributed. Comprehensive research universities, for example, are compared with a different group of schools—other colleges and universities for salary levels. This question surfaced again during a later hearing on the distribution of salary money.

Representative Mason stymied a final vote on salary improvement funds until he received assurance from Chancellor William Davis that, “There would be no two-tier system of representation among Oregon’s three major universities.”

Mason said the chancellor also had agreed that, “The state system as a whole, and what we attempt to implement, the earlier budget note and the higher education budget note regarding Portland State’s improved status.”

Budget note challenges two-tier higher ed system.

While budget notes do not have the status of law, they do ensure continued attention to the topic through a progress report at the next legislative session.

Phyllis Boegle, assistant to the president for student relations at PSU, monitored the legislative session closely. He believes the legislative results of the PSU “could be the most significant development for the institution since the change in status from Portland State College to Portland State University.”

Major components of the higher education package passed by the 1985 legislature include:

- Salaries—$40 million over the next two years for faculty salary enhancement, including $20 million in across-the-board increases, money for merit and promotion increases, and extra funding for high demand academic disciplines.
- Centers of Excellence—PSU received funding to boost programs in the School of Engineering and the International Trade and Commerce Institute.
- Capital Construction—Construction begins this fall on a $7 million Professional Schools Building to house the School of Business Administration and the International Trade and Commerce Institute.
- Tuition—Sufficient funds were appropriated to allow tuition to be frozen for the second year of the biennium with only a 3 percent increase in the first year. That will mean no tuition increase and fees for resident undergraduates at PSU $490 per term compared with $471 currently.

Faculty Notes


Ken Kemper, Education & Social Work, was awarded a Fulbright scholarship to lecture at the Federal University of Rio de Janeiro, Brazil, during the academic year. Kemper, whose specialty is educational research and evaluation, plans to teach comparative educational and qualitative research methods in education at the University’s Graduate School of Education.

Franz Langhammer, Foreign Languages, has received the Officer’s Cross of the Order of Merit of the Federal Republic of Germany. Langhammer was recognized for more than two decades of teaching German language and thought, for his research on German immigrants to the Northwest, and for his commitment to the Germanic Seminars in Portland.

Kuan-Pin Lin, Economics, received a Fulbright grant to conduct research on "Multilateral Industrial Productivity Comparisons of Selected Asian Developing Countries" in Singapore during the 1985-86 academic year. Lin, whose expertise is mathematical economics and econometrics, will study the southeast Asian nations of Singapore, Malaysia, Thailand, Indonesia, Brunei and the Philippines, comparing patterns of industrial productivity in these nations with those in the United States.

Harold Linstone, Systems Science, and Wang Yinghua, Management and Systems Engineering at Xian Jiaotong University in China, are collaborating on a research project recently funded by a $76,000 grant from the National Science Foundation. Jacob Fried, Anthropology, is senior researcher on the project, "Enforcement of Systems Analysis in a Cross-Cultural Context Through the Development of Systems Perspectives." The project involves the application of the multiple perspective concept to a development planning problem in the Wei Bei region of Shanxi province.

Ralph W. Macy, Professor Emeritus of Biology, was recently selected Alumni of the Year at Linfield College. In 1980, the College awarded Macy, a 1929 graduate, an Honorary Doctor of Science degree. Macy taught biology at PSU from 1955 to 1992.

Robert O’Brien, Thomas Hard, Cornelius Chan and Ahmad Mezrahizadeh, Chemistry, have received a $341,000 grant from the National Science Foundation to improve titanium and metallic carbide radicals as candidates for atmospheric substances. With part of a $246,000 grant from the EPA, O’Brien and Hard have purchased a $60,000 Nd:YAG solid state laser pumped dye laser system to help in studying the kinetic behavior of hydroxyl radicals in ambient air using laser-induced fluorescence. In an urban environment, the radicals act as catalysts that allow sunlight to convert primary pollutants to secondary pollutants that are more of an air quality concern.

Thomas Poulsen, Geography, was a member of a five-person delegation participating in the "Washington Conference on Environment and Cooperation," held in Moscow and in the Siberian city of Khabarovsky, May 29-June 2.

In Memoriam

James Macnab, professor emeritus of biology, died in May at the age of 86. From 1924 to 1946, Macnab taught at Linfield College in McMinnville, Ore., where a biology laboratory was named after him. He came to Portland State University in 1959 and retired in 1984. He was an authority on the prehistoric of the Tillamook and Lower Chinook Indians in Oregon as well as West African prehistory. He was a member of the Society for American Archaeology, the American Archaeological Association, and the Governor’s Committee on Historic Preservation. In Newman’s memory, a scholarship fund has been set up in the PSU Foundation to provide for an annual award to a deserving graduate student in anthropology.

Hydrogen conversion fuels researchers

Researchers in PSU’s chemistry department and in the private sector will share a three-year $840,857 grant from the U.S. Department of Energy to investigate the solar energy conversion of hydrogen into a useful fuel. The grant is the largest ever received by Portland State.

Principal investigators are PSU’s Carl Warner, who specializes in organic chemistry and photochemistry, and Harold Lonsdale, president of Bend Research, Inc. (BRI), an Oregon firm specializing in photochemical conversion. According to the researchers, will use a kind of artificial photosynthesis to split water into hydrogen and oxygen. Liquid-storing membranes will be developed to collect solar energy and convert it to chemical energy, Warner explained. While the earth’s dominant energy source within the next 100 years could well be hydrogen, “Hydrogen is clearly clean and inexpensive and could be stored in most of the ways natural gas is currently being used,” he noted.
Performing Arts

SUMMER FESTIVAL THEATER

Aug. 15- Sept. 7  "Night of the Iguna," directed by Jack Featheringill. $15.50 Aug. 15 preview; $8.50 other performances. Thurs.-Sat. at 8 p.m., Sundays at 7 p.m.; Lincoln Hall Aud.

PIANO RECITAL SERIES
8 p.m., Lincoln Hall Aud. Call 229-3105 for information.

CONCERTS

Oct. 4  Winner, Van Cliburn Competition.
Oct. 19  Nikita Magaloff

CONTEMPORARY DANCE SEASON
7 p.m., Lincoln Hall Aud. Call 229-3133 or 229-3105.

SPECIAL EVENTS

Oct. 22-23  Jazz Tap Ensemble from Los Angeles

BROWN BAG CONCERTS

Nov. 7  Lincoln Hall, Free.
Oct. 1  Portland Opera Preview "Tales of Hoffmann"
Oct. 15  Rayneworld: The Swan & the Unicorn, an Elizabethan balladry ensemble (Timothy Swain, lute; Susan Margaret Sargent, voices)
Oct. 22  Portland Opera Preview "Pagliacci" and "Gianni Schicchi"
Oct. 29  Lincoln Hall Chamber Players

Lectures

TOUR THE WORLD AT HOME LECTURES
Noon, 338 Smith Center, Free.

Aug. 14  "Carnival in Brazil: Rosa Neves da Silva, Univ. of Minas Gerais in Belo Horizonte"
Aug. 21  "India: Breakup of the Raj," Mudan Hoham Puri, Panjab Univ. of Chandigarh
Aug. 28  "Impact of Olympics on Tourism in Yugoslavia," Zlatko Pepenovic, Univ. of Zagreb

Special Events

DANCE

Oct. 12  Hispanic Student Union brings a salsa band to the Smith Center Ballroom, 7-12 p.m., snacks, drinks. Call 229-4305 for ticket information.

POETRY READING

Oct. 18  Clive Matson
Nov. 1  Lisa Steinman, Jim Shugnum
Nov. 15  Sonia Sanchez
Dec. 6  Local poets

VAA AUCTION

Oct. 26  Silent auction (6-7 p.m.) and oral auction (7:30-9:30 p.m.) to benefit Viking Athletic Association scholarship fund. $15.00 per person includes dinner, Dixieland music.

Sports

VIKING FOOTBALL
Portland Civic Stadium. Call 229-4000 for information.

Sept. 7  Montana State, 1 p.m.
Sept. 14  Idaho State, 11 a.m.
Sept. 21  Weber State
Sept. 28  Univ. of Montana
Oct. 5  Idaho, 7 p.m.
Oct. 12  Sacramento State, 7 p.m.
Nov. 2  Cal Lutheran, 7 p.m.
Nov. 9  Cal Poly-San Luis Obispo
Nov. 16  Santa Clara
Nov. 23  Northridge, 1 p.m.

*Home game

Campus Notes

Aug. 5  Fall term advance registration begins; continues till Sept. 13.
Aug. 15  Summer Commencement: 4:30 p.m. in the Park Blocks.
Sept. 2  Labor Day observed. University closed.
Sept. 13  Fall term advance registration ends.
Sept. 27  General registration for fall term.
Sept. 30  Day & evening classes begin. Sr Adult registration on a no-refund, no-credit basis. Available basis through Sr. Adult Learning Center, 137 Neuberger.
Nov. 11  Veterans' Day observed. University closed.

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JAPAN’S POTTERY VILLAGES
October 6-19
Visit Japan’s pottery villages with Nils Lou, nationally known potter for his work in porcelain and stoneware and internationally for his kilns. See Bizen, Tamba and Shigaraki where pottery-making has been a way of life for centuries. In addition, sightseeing tours to Tokyo, Kyoto, and beautiful Lake Ashi, at the foot of Fujiyama. See the Ginza… the 770 year-old great Buddha at Kamakura… many notable temples... countless historic sites. Rifle the famed "Bullet Train." Cost: $1,995.

RUSSIAN ADVENTURE
November 23-December 1
Be a participant in this unique Russian experience with visits to Moscow and Leningrad. See The Hermitage, St. Basil’s, the Kremlin, and other major sites. Departure in 1986 for Miami! Space available in 1985. Contact us for more details. Contact us for more details. Cost: $2,795.

SCANDINAVIAN HOLIDAY
December 19-January 2

INDIA “PALACE ON WHEELS”
January 22-February 7
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