

# *the* **OREGON STATES**

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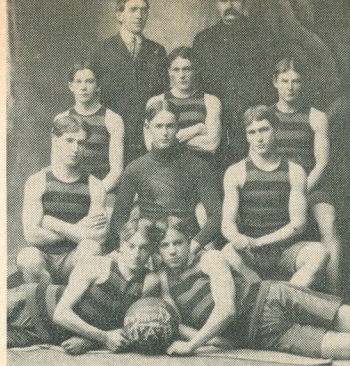
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*Remember  
When?*

#### The Oregon Stater:

In reference to "Remember When?" in Volume 25, Number 2 of *The Oregon Stater*, I believe you have the picture reversed. The two that I can identify, Trine and Swann, are on the left and right sides respectively. I also knew the Rinehart boys, Bilyeu and Smithson.

You also might have mentioned that Forest Smithson was OAC's first Olympic winner. He established a record of 15 seconds flat in the high hurdles in the Olympic Games in 1908. He also played football and baseball for OAC. The Rinehart boys played football. Swann played second base on the baseball team, and also was the first man to jump 11 feet in the pole vault, against Oregon in 1907 where he also took third in the high jump and third in the broad jump.

In the Washington State dual meet in 1907, Swann and Reed took first and second in both the pole vault and broad jump.

Swann and Bilyeu went to Nome in the fall of 1907 to play with the Alaska Brotherhood and returned to OAC to beat them (OAC), 26-21. The Alaska Brotherhood had three players over 6 feet tall. OAC had one player, Shorty Foster, who was 6-feet, 6-inches and was OAC's only player over 6 feet. The other OAC players could all stand under Foster's outstretched arms.

But, those were the days that was.

I.M.C. "Andy" Anderson, '15  
222 N. 35th Street  
Corvallis, Oregon

#### The OSU Alumni Association:

Enclosed is my first contribution to the OSU Fund. I have wanted to contribute for several years but circumstances have prevented my doing so.

My wife Francis was a semi-invalid and helpless for five years and passed away August 30, 1964.

I am unable to attend the Rose Bowl game on account of an operation on my eye for cataract, but you may be sure my eye will be glued to the television set the entire time of the game. (I saw the last OSU game.)

The article and picture of the 1904 Arrows brought back many memories.

The original Arrows consisted of Swann, E. Rinehart, C. Rinehart, Garrow and myself (no subs). All very small.

We won the championship from the All-Stars (last year's first team starters) . . .

I jumped center against Morrie Moores. I was about 5-foot, 6-inches and weighed about 120 pounds. Swann was smaller but a dead shot.

The Arrows scrimmaged nightly with the girls team as they also were very small and their opponents were large and rough. They played boy's rules in those days (free ball out of bounds).

As I remember the girls team was Edna Smith, Peg Smith, Una Stewart, Myrtle Harrington and Francis Gallantlay.

They also were winners.

Floyd B. "Bush" Davis, '05  
11 Marina Drive  
Seal Beach, Calif.

P.S. I hope to be at OSU in June, 1965.



# Campus

## Humanities Expand

By unanimous approval, the Oregon State Board of Higher Education took steps to create a greater, better-balanced institution at Oregon State.

The board permitted the university to strengthen its offerings in economics, English, political science and speech. The beefed-up programs will go into effect the fall of 1965.

President James Jensen said the new stress on humanities and social sciences will not detract from the university's basic purpose of excelling in physical sciences and technology, and it will not put OSU in the position of competing for liberal arts students with University of Oregon.

The new regulations will remove the stipulation that all OSU students complete a 27-hour minor in physical science, and will permit them to take more than 36 hours in social sciences and humanities. The university also will be able to offer a departmental major in English.

## Teflon Ware Safe

You can use your new Teflon ware with confidence, and with the knowledge that it is as safe as any other cooking ware available for use in your home.

Rumors that Teflon coated cooking ware gives off poisonous gas when heated to high temperatures have been labeled "not so" by Bernice Strawn, extension home management specialist at Oregon State.

According to Miss Strawn, there has been considerable confusion on the part of homemakers who have heard rumors originating from industry and other sources that Teflon ware gives off poisonous gases when heated to high temperatures such as for frying foods. She says this is absolutely not true.

A research laboratory recently heated Teflon coated pots and pans to extremely high temperatures for four hours and tested gases that were released. They found that the gases were completely harmless.

While the labels on Teflon cooking ware often say to use the utensils on low or medium heat only, Miss Strawn says this is because high heat will cause Teflon to discolor, although it will not affect its performance.

## Errors in News Copy

A \$2,500 scholarship for a graduate student to do research on errors in newspapers has been made available to Oregon State University by The Jackson Foundation of Portland.

G. M. Tretheway of The Jackson Foundation announced the scholarship in a letter to William Engesser, OSU professor of industrial engineering, who will direct the study.

The Jackson Foundation was established several years ago when the *Oregon Journal* was sold to Sam Newhouse, owner of the *Portland Oregonian*.

During the past year, Engesser directed several students in the Department of Mechanical and Industrial Engineering, who were engaged in doing a pilot study of errors in news columns of the *Corvallis Gazette-Times*.

The intent of these studies is to put a price tag on the cost of correcting errors and to find ways to reduce errors beforehand. Training and mechanization are suggested as two ways to reduce the costly errors and to improve newspaper quality.

It is planned to make a sound motion picture, showing ways that errors can be reduced. This film would then be available for self-study and improvement by newspapers of any size.

## Dental Health

Fluoridation of the water supply has other dental health dividends than just reducing tooth decay.

The prevalence of malocclusion (irregular bite) and the prevalence and incidence of gingivitis (inflammation of the gums) are reduced with fluoridation, a new study reveals.

Findings are reported in the January issue of *The Journal of the American Dental Association* by Dr. Gertrude Tank and Dr. Clara A. Storvick of the OSU faculty.

The study compared malocclusion and gingivitis prevalence in children, ages 1 to 6, born and reared in Corvallis, which has fluoridated water, and nearby Albany, which does not.

Eighteen percent of the Albany children had malocclusion problems compared to 9 percent of the Corvallis children. The prevalence of gingivitis was significantly higher for Albany, 27 percent, than for Corvallis, 9 percent.

## Flood Losses Exempt

Some of the casualty losses stemming from the recent Oregon floods can be deducted when figuring your income tax, according to a pair of emergency flood information bulletins prepared by the Oregon State University Cooperative Extension Service.

The two fact sheets are entitled "Income Tax Deductions Due to Losses on Personal Property" and "Income Tax Deductions Due to Casualty Losses on Business Property." Copies may be

obtained from county extension offices.

The publications point out that casualty losses from flooding of business property are deductible, while all but the first \$100 of personal loss is also deductible. The fact sheets provide information to help the taxpayer determine and verify casualty loss deductions.

## Engineering Graduates

The job outlook for June engineering graduates is highly favorable—as usual—this year, Oregon State University reports, with the number of job offers way down in the aircraft-aerospace industry and way up for chemical engineering grads.

Marvin R. Haith, director of placement for the OSU School of Engineering, says "which job" is the question for most engineering seniors, not "is there a job?" The decision is complicated though by desires to live in particular parts of the country (many want to stay in Oregon) and by type and size of company.

About 180 different companies from industry and city, county, state and federal agencies will have representatives at Oregon State this year for interviews with the 270 graduating seniors.

In some cases, companies are looking primarily for students with advanced degrees, an indication of the new emphasis on graduate training. OSU's graduate enrollment in engineering has doubled in the past five years.

Starting salary offers for bachelor's degree graduates in engineering are running from about \$600 to \$650 a month, up slightly from a year ago. Master's degree graduates will start at about \$760 a month, and doctor's degree holders, \$1000 a month and up.

## Home Ec Careers

Home economics is making a remarkable comeback as a career field for women. But a great many more well-trained home economists are needed now than are available and the job outlook for the future is even brighter.

The OSU School of Home Economics has had almost a 50 percent increase in enrollment during the past five years and this term has the highest percentage increase over a year ago of any school on campus (12 percent). The home ec enrollment in 1960 was 505; this term, it is 733.

The increases have come with increasing awareness of the varied op-



portunities in fields such as business, research, dietetics, teaching, social service, and extension, Mrs. Winnifred K. Fulmer, head counselor for the School of Home Economics, points out.

More homemakers are coming back to school each year also to complete their education or take up-dating, graduate courses.

In the early days, home economics was "the" course for college women. Almost all of the diplomas earned by women students at OSU for the first 40 years were in home economics.

And it wasn't until 1940 that home economics didn't have more women graduates than all of the other OSU schools combined.

Since then of course, women students in record numbers have been attracted into science, pharmacy, agriculture (food technology), and engineering, along with the more traditional fields of humanities and social sciences, education, and business, including secretarial science.

As those fields gained in enrollment, home economics enrollments declined, particularly in the late 1950's.

One of the problems was that some students considered home economics less glamorous and modern than some of the other fields, Mrs. Fulmer recalls. Now the trend is reversing and more coeds are again turning to home economics with eyes on exciting professional careers—combined as always with the homemaker element.

Last June, there were many more positions open than graduates to fill them. Starting pay ranged from \$4800 to \$6300—salaries that match any other field.

Possibilities for those with graduate degrees are tremendous, particularly in teaching and research, says Mrs. Fulmer.

She noted the range of job opportunities in the field and the giant advances being made in foods, furnishings and textiles.

Clothing and textiles majors go into merchandising, promotion work and perhaps fashion careers, in addition to teaching and research work. Foods and nutrition graduates may take positions with food, equipment and utility companies or become dietitians, school lunch administrators, and public health nutritionists.

Specialists in child development, family relations, and home management enter nursery school teaching; case work in social service agencies; employment with youth organizations,

housing agencies, etc. Magazine, newspaper, radio and television offers positions to home economists with training in communication.

Overseas assignment, particularly with the Peace Corps, are plentiful for home economists too. Experienced teachers and those with advanced degrees are in demand for teaching and administrative assignment—both in the U.S. and abroad.

The OSU School of Home Economics, now in its 77th year, is the oldest in the West and one of the five oldest in the country.

## Earth, Heat Source

Homeowners may soon heat their homes economically with heat pumps using the earth as an energy and storage source.

Experiments at Oregon State have shown that the new heating method, called an air-soil heat pump, lowered monthly electrical costs and reduced the demand on electrical facilities during peak periods.

Myron G. Cropsey, professor of agricultural engineering, has conducted tests the last three years using the soil as a heat storage source for an air-to-air heat pump. He terms the eventual use of this new system in residential construction as "very promising."

Heat pumps operate by drawing heat from air or water and pumping this heat to a higher temperature so it can be used. This method, used in reverse, can also cool homes in the summer.

The new air-soil heat pump method draws heat from the soil. It also acts as a storage unit, giving the greatest amount of heat when needed at a high average temperature.

Tests were made in specially constructed buildings to compare the efficiency of the air-to-air and air--soil heat pump systems. The electrical demand for the new heating system was about half as much as the conventional air-to-air pump.

Cropsey believes the heat pump is a good method of heating and cooling in moderate climates. However, this method is expensive in cold climates because at the time of greatest need, this type of pump can produce only a little heat. Auxiliary heat must then be supplied.

Western Oregon has an ideal climate for the new heating system because there are few long periods of intense cold. Tests showed that the warmest soil temperatures occurred in November and December while the coolest were in June. This combination makes an ideal heat arrangement—the greatest amount of heat when needed most and a high average temperature.

## Emphysema Deaths

A lung disease that most people still have trouble spelling and pronouncing—emphysema—will kill thousands of Oregonians and Americans this year and smoking will be the cause in almost all cases.

Emphysema has climbed into the No. 9 spot on the list of "causes of death" in Oregon, two physicians noted this

week during a special "Breath of Life" clinic at Oregon State. It seems certain to move higher, and rapidly so.

Dr. Terence H. Cochran of Providence Hospital, Portland, estimated that 96 percent of the Oregonians with emphysema are smokers. He urged more attention to emphysema education programs, down into the elementary and junior high levels.

Emphysema is a disease in which a very large proportion of the lung's air sacs are permanently damaged. This interferes with the ventilation of the lungs and with the supply of oxygen and the removal of waste carbon dioxide—all essential to normal bodily functions.

Once a "men's disease," emphysema is now becoming a serious problem among women, reported Dr. James F. Morris, chief of the chest disease section, Veterans Administration Hospital, Portland.

Danger signs of lung trouble are a chronic cough, shortness of breath and phlegm, he said. Estimates on the number of emphysema sufferers in the U. S. range from 10 to 40 million. "No smoking" would all but eliminate emphysema, Morris emphasized.

## Do's Help Children

Parents should focus on "Do's" instead of "Don'ts" if they wish to teach their children how to handle typical home situations in a more acceptable manner.

This is one of the tips given in "Child Guidance Techniques," a new bulletin prepared by Roberta C. Frasier, extension family life specialist at Oregon State. According to Mrs. Frasier, telling a child what to do—rather than what not to do—is the more constructive way of teaching him how to behave in a given situation.

The bulletin points out that it is important to build a feeling of confidence in the child. Teaching a child that he is a capable and worthwhile person, instead of belittling him when he makes mistakes, encourages him to try new things and to approach school and other life situations with confidence.

One of the common mistakes made by parents is giving a child a choice when there actually is no choice. If the child's decision is not accepted, this discourages him from making future decisions.

Children need the security provided by having their boundaries defined by parents. Better cooperation is usually received when limits are few and en-



forceable and when a child has freedom to make decisions within the boundaries set by the parents.

Children learn by watching the example set by their parents. Parents who show concern for others, who talk through differences in opinion, and who respect the rights of children as well as adults, are teaching these precepts to their children.

## Mohole Project

A 12-inch hole drilled through the ocean floor and down some 35,000 feet will provide a tremendous wealth of new information about the inside of the earth.

The "Mohole Project" will give a look at the layers within the crust of the earth and will hopefully reach below into the earth's mantle for the first time ever, Gordon Lill pointed out during dedication ceremonies for the new OSU Oceanography Building.

Lill was named early this year to head up the project that has been slowed by controversy in the past but which is moving ahead now.

Before the end of this year, the site for the "hole in the bottom of the ocean" will be picked, Lill indicated. A site off the Hawaiian Islands appears to be the best bet now but final decision is awaiting surveys underway near Antigua Island in the Caribbean, off the Southeast Coast of the United States. A spot 200 miles north of Puerto Rico is another possibility.

In all three instances, the mantle of the earth appears to be within the 35,000-foot range that ocean drilling operations can reach successfully. Weather and the geologic conditions under the crust will be considered in the final choice of the site.

A super drilling platform patterned after those used for off-shore oil explorations is being developed for the special project. The project will be a terribly difficult one, but the scientific contribution will be fantastic, Lill said.

Findings, for example, will help determine the composition of the inner earth—rocks, temperature, layers, etc.; will provide an improved age determination for the earth and the ocean basins; will give insight into distribution of the elements in the earth; and will prove or disprove some disputed theories about continental drift and the inner earth.

The mantle or dense, deep layer makes up about 80 percent of the earth by volume. It is the "home" of the earthquakes and volcanic action.

Though seismic observations have given some indications of the nature of the deep earth, no samples ever have been taken from the mantle region.

The hole could not be drilled on land, because the earth's crust is so much thicker than under the ocean floor, Lill said. Layers are known to exist in the crust of the earth by the difference in speech at which shock waves move at various depths.

## Coed in Men's Dorm

Another first at Oregon State. A co-ed in Poling Hall, a men's dormitory.

Robyn Slobhan Kellough moved into the dorm shortly after her birth,

last December 8. She is the daughter of the Head Resident Richard Kellough and his wife, Connie.

OSU started a "head resident couple" program last year. Robyn's birth marks the first child born to a head resident and his wife since the program started.

The Kellough's home is in Davis, Calif., where Mr. Kellough teaches at Davis high school. He is a graduate student at OSU.

# Faculty

## Forslund Promoted

Herman C. Forslund, professor of pharmacy administration, has been appointed assistant dean of the OSU School of Pharmacy.

In the new position, he will work with Dean Charles O. Wilson in administering the work of the growing school along with his teaching responsibilities.

Forslund has been on the faculty since 1945 and has been head of the Department of Pharmacy Administration since 1961. He served from 1961 to 1963 as national professional fraternity, Kappa Psi, which has 55 college chapters and 22 graduate chapters across America.

## Schultz Consultant

OSU's Food Science and Technology department—one of the oldest in the United States—had an important part in the first United Nations' Food and Agriculture Organization seminar just held in Campinas, Sao Paulo, Brazil.

Dr. H. W. Schultz, head of OSU's department, attended as technical consultant. His appointment came from FAO headquarters in Rome, Italy.

The seminar was set up for the purpose of getting Latin American countries to recognize the importance of food industry and how it might help solve some of their problems.

## Frasier Consultant

Mrs. Roberta Frasier, extension family life specialist, has been asked to act as a member of a group of consultants to the federal government's Interdepartmental Committee on Children and Youth.

Purpose of the meeting is to promote communication between federal and local public and private agencies whose staff members are engaged in educational efforts aimed at low income

families. Mrs. Frasier has been asked to report some of the educational projects carried on by the OSU Cooperative Extension Service in cooperation with welfare agencies and others.

## Van Richards Leaves

Van F. Richards, former assistant dean of students at Oregon State, left this post Feb. 1 to become associate dean of students at University of California at Davis.

Richards joined the OSU staff in 1956 as assistant dean of men.

## Prince Gives Paper

Oregon State's prestige as a mushrooming center of scientific research attained international status with the participation of the OSU Radiation Center's health physicist in a worldwide conference in Paris conducted by the French section of the Health Physics Society.

John R. Prince, health physicist in charge of radiation safety at the university for the past 5½ years, presented a scientific paper at the weeklong session, attended by the world's leading authorities on radiation detection and safety.

Prince, a native of Salem, Oregon, received his bachelor's degree at Northwest Nazarene College and his master's at OSU. The paper he presented was on "The Biological Assessment of Current Concepts in Radiation Dosimetry."

## Wiegand Honored

Professor Ernest H. Wiegand, retired head of the Department of Food, Science and Technology, was named to receive the twelfth annual Forty-Niner Service Award. The award was initiated in 1954 to provide recognition to those whose contributions to the canning and food processing industry have been outstanding.

Wiegand was selected to receive the award in recognition of his outstanding contributions to the development of the food processing industry in the Pacific Northwest.

Wiegand came to OSU in 1919 and from then until 1952, when he stepped down as head of the department, and since that time, Oregon State has trained more students in food technology than any other university.

Under Wiegand's guidance, the department grew from a staff of one to fifteen fulltime faculty members. The department now awards bachelor, master and doctorate degrees.



# Raiders!



A group of OSU volunteers are "gungho" to learn about counter guerrilla warfare

By LeRoy Wilder, '66

IN THE EARLY MORNING DARKNESS of February 6, 1965, Viet Cong guerrillas succeeded in sneaking through Vietnamese security to within spitting distance of an air base in the South Viet Nam jungle. The result was eight Americans killed and 62 wounded, along with many Vietnamese soldiers. Once again the Viet Cong had won a victory for Communist aggression.

How do you stop the Viet Cong? How do you fight these little, seemingly undetectable phantoms of the night? You can't fight what you can't see. How do you beat them? You must beat them at their own game. You must beat them with counter guerrilla warfare.

On February 6, 1965, at 4:45 a.m. a group of 24 grim young men gathered in front of the Oregon State University Armory. They were dressed in military fatigues. Each wore a distinctive campaign hat.

The group formed two sections. One of the men began moving through the ranks. As he stepped in front of each man that man snapped to attention. At a soft verbal command each man began to jump up and down lightly in the gravel. The only sound that could be heard was the muffled "crunch, crunch" of his combat boots striking the ground. If any part of a man's equipment made a noise as the man moved he was ordered to tape the offending piece down.

When the inspection was over the men took turns smearing a dark chalky camouflage substance on exposed parts of their bodies. After the commander was satisfied each man was issued a rifle and five clips of blank ammunition. One man carried a 30 caliber machine gun. Two belts of ammo crisscrossed his chest.

The group formed two columns and moved out. They marched ten miles overland at a fast pace. They infiltrated through a mock enemy-occupied woods,





attacked the enemy camp and captured two prisoners. The rest of the day they crossed streams, hand over hand on ropes, and practiced tactics.

This group is called the Raiders. They are learning counter guerrilla warfare.

The war in Viet Nam is a long way from Oregon State University. It is not a long way from the young men who are attending classes here. No one wants to go to Viet Nam. The young men participating in this training don't want to go, either. But, should they be sent to that steaming jungle they want to be prepared. With the training they receive from the Raider program they will be a step ahead of the average trooper. That step could save a life.

Any student at Oregon State can be a Raider. Participation in the school's recognized ROTC program is not a prerequisite. The only requirement is that the volunteer be able and willing to take the vigorous training, which sometimes averages out to more than six free hours a week. The men are not harassed into quitting by a picky commander who wants snappy salutes and shiny boots from each man. They are given a hard mental and physical training schedule. Only the tougher ones last.

The Raider program began at OSU in 1962 under the instigation of Captain Robert S. Redmond. He had no trained staff of cadets to help with the training, only some 120 raw recruits "gungho" to learn to be a Raider. When Captain Redmond finished he had 14 seasoned men who had stuck with him the whole way. Over 100 men could not meet Redmond's standards. These standards became Raider standards and are little changed today. Captain Redmond was later transferred to Viet Nam. He has become a kind of legend with the Raiders and the mention of his name can still bring a shudder from some who experienced his wrath.

This year the Raiders have as their advisor Captain Felix Del-

umpa. Captain Delumpa is well qualified to advise a counter guerrilla program. He has gone through the Army's "Ranger" program, which serves as a model for the Raiders.

The Raider Cadet staff is made up of capable Army ROTC members. Most of them are men from Captain Redmond's original unit.

The detachment is commanded by Cadet Major Blair Blacker, a young man who wears his Raider insignia with justifiable pride. Both he and his executive officer, Cadet Captain Richard Dehlinger have been with the Raiders since the program began.

Major Blacker takes his position as seriously as a veteran officer going into combat. He, his staff and Captain Delumpa put in long hours striving for ways to improve the program. They want the Raiders to build leaders. To do this they attempt to instill in the men physical discipline, mental discipline and stamina.

The Raiders meet every Saturday morning at 7:00 a.m. They spend the next three hours in strenuous physical exercise. The first is Army Drill One, which consists of twelve different exercises. Each week they meet the men are required to do one more repetition of each exercise. They eventually do more repetitions than combat ready troops.

The better part of the morning is spent working on the training skill scheduled for that day. On a given day the Raiders may work on rope repelling, hand-to-hand combat, knife fighting, marksmanship, river crossings, or any of a number of skills the staff feels is necessary for a good counter guerrilla fighter. During this phase of the training all motion is double time. Loafing, no matter how tired the man may be, is not tolerated.

The last 45 minutes of the program is spent running. First comes the obstacle course. This has been known to separate a lot of potential Raiders from the real thing. The men are shown where the door is before they start to run. If they can't keep up they had better dis-

appear through that door. Many do.

They run, roll, stumble and crawl around the Armory floor. They swing hand-over-hand across vertical ladders and spit mud and sawdust. When they've run it twice Major Blacker asks for volunteers to run it again. The answer comes in unison, "Here, Sir." They run it again.

When, and only when Major Blacker feels the men have had enough does he form them up for the half hour run around campus. The rhythmic impact of Raider boots on asphalt, plus the sound of 24 men yelling in cadence has stirred up many late sleepers.

The unit meets every Wednesday noon for an hour lecture on phases of the training program. The lecture is conducted in typical Raider fashion. No time is wasted. The men are given pertinent information pertaining to their training and are dismissed.

There is a fraternal air about the Raiders. Commander Blacker and his staff respect the men and receive respect in return. Their's is a mutual feeling of pride in each man. They have been through a lot together. They've seen a lot of men unable to take the training. Just knowing what they have done together makes each man a little closer to the next. They are quick to help when one of their group is in trouble, providing the man is trying to help himself. They accept any new man who can take it, but they will freeze out anyone who does not want to adopt their standards.

The Raiders will have their chance to test all their skills during the spring term field problem. Sometime during that term the Raiders will be called upon to spend 2½ days in the mountains somewhere between Newport and Corvallis. They will carry out mock raids behind simulated enemy lines.

To some it may seem like just a game. To the Raiders it is a serious undertaking. They feel they have a lot to learn. To them Viet Nam isn't as far away as others might think.



# ACHIEVER

If you called this General Motors development engineer "moon-struck," he'd probably agree with you. For he's a member of the team whose objective is to put a man on the moon by 1970.

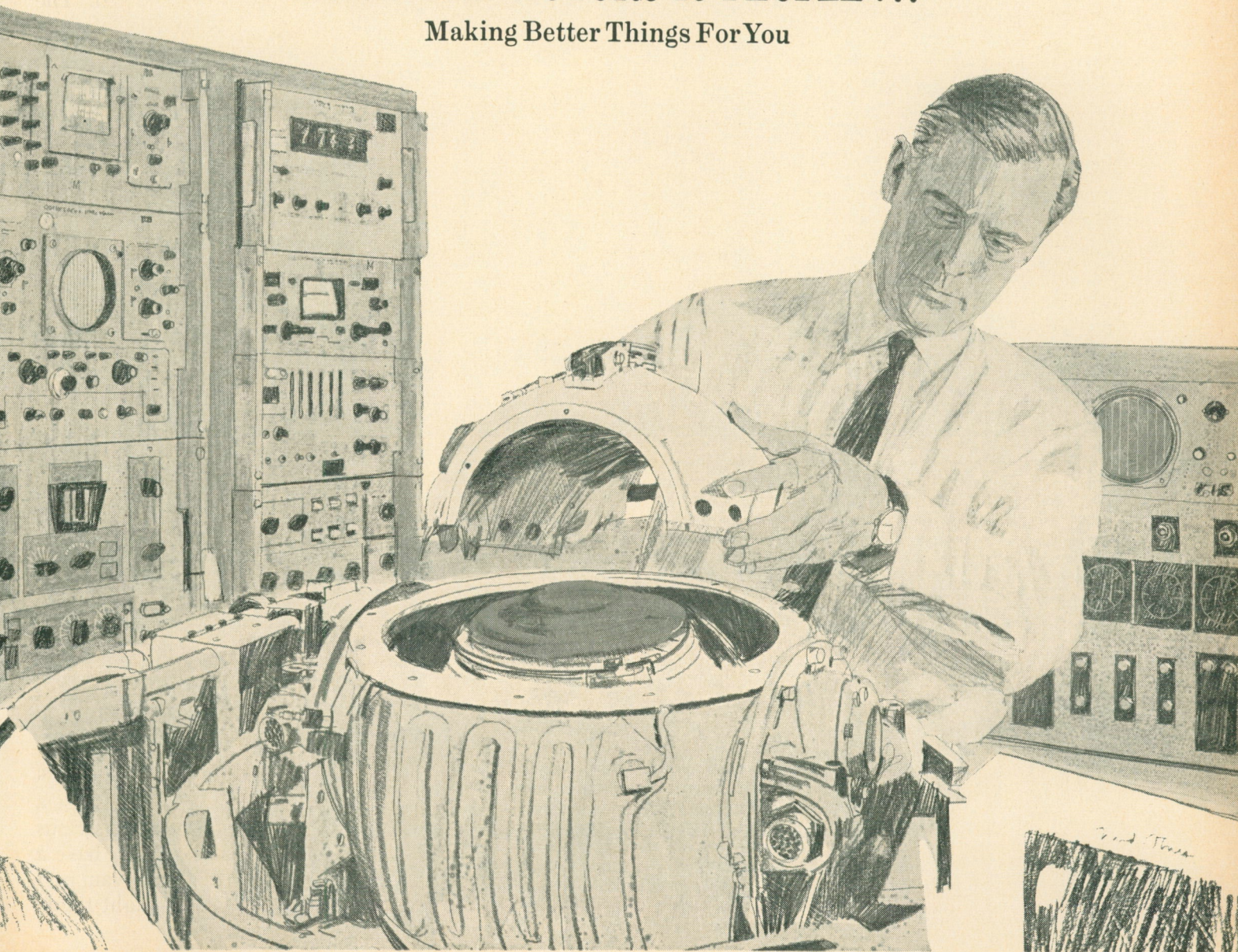
Together with several hundred other engineers, scientists and technicians, he is contributing to the development, fabrication, assembly, integration and testing of the guidance and navigation system for the Apollo spacecraft. His mind is literally on the moon—and how to get three men there and back safely.

Educationally, he is highly qualified, but fast-changing technology requires his constant study. If he does not have two degrees already, chances are that he is working on a second right now under GM's tuition refund plan.

Throughout General Motors there are hundreds of professionals like him working on projects relating to our nation's space and defense programs. Like their counterparts who are developing commercial products, they are dedicated General Motors people.

## GENERAL MOTORS IS PEOPLE ...

Making Better Things For You







# Thin Film, Big future

This little wafer of glass is one of the most significant telephone advances since the invention of the transistor.

Reason? It's a complete electrical circuit, ready to be slipped into a piece of communications equipment.

In the years to come, as it finds its way into new Bell System "hardware," it will save money and help hold down the cost of your telephone service.

We deposit thin films of metal *only four millionths of an inch thick* on a glass surface like that shown in the picture above.

Because thin-film circuits are photo-etched on the glass, they can be made economically.

And because a number of components and connections can be consolidated into one unit, thin-film circuitry is extremely reliable and precise.

Thin-film technology has benefited from many important contributions by Bell Telephone Laboratories. It is now being applied to a number of Bell System products manufactured by Western Electric. Among these are a new Electronic Central Office, a new high-speed data transmission system, and a new switchboard.

Thin as the film is, its future is big in our plans to keep improving your telephone service while helping to hold down its cost.



**Bell System**

American Telephone and Telegraph Co. and Associated Companies



# Pedaling Health

WHEN MAN DISCOVERED THE WHEEL, he did so because he was getting too much strenuous exercise—and he didn't like it! Fighting for his survival, carrying the food he caught and killed, was too much work. So he took to his wheels.

Today, more and more Americans are taking to their wheels as they combine fun and physical fitness in bicycling. Dr. Paul Dudley White, noted heart specialist and White House medical consultant, recommends bicycling as an important aid to good health.

"We have one of the unhealthiest countries in the world because of our abuse of our prosperity," Dr. White proclaims. "We are overeating and pampering ourselves. The Life of Riley leads to a lot of early coronary heart disease, high blood pressure, and diabetes."

An antidote to some of these problems, says the heart expert, is "the habit of adequate exercise: just as important for good health as one's sleep, one's work, one's food.

"Cycling is one of the best ways to accomplish and maintain physical fitness," the physician advises. "Bicycling can undoubtedly add years to life, and health to those years."

So Dr. White, who has been an avid cyclist for most of his 77 years, wants America on wheels. He says, "I would like to put *everyone* on bikes . . . not once in a while, but regularly as a routine."

Medical authorities report that coronary heart disease is responsible for more than 30% of all deaths in the United States. The tragedy of a man suffering a heart attack is one that can be avoided, in the light of modern knowledge, through proper diet and exercise.

"Proper" exercise, according to Dr. White, doesn't mean violent tennis games or exhausting bag-

punching; these may sometimes do more harm than good. "Bicycling is a pleasant way to strengthen the heart and other internal organs, recondition muscles long unused, feel better, work better—and live longer," the spry septuagenarian states.

The latest statistics compiled by the Bicycle Institute of America show that cycling has taken a more important place on the American scene than ever before: 55 million cyclists pedaled more than 30 million miles last year.

Doctors say that bicycling can help alleviate chronic weariness. Too little blood pumped through the body per minute, allowing poisonous waste matter to accumulate in every body cell, clogs channels of energy. Sinking into an easy chair in front of the TV set is not the answer.

The stimulus of a 15 minute bike ride can send 25 to 30 quarts of blood through the arteries every 60 seconds. And this blood will be four times richer in oxygen than the blood that pumps sluggishly through the veins of an armchair lounge.

The biking boom can be a factor in trimming your waistline, too. Cycling, says Dr. White, will help to burn off extra calories; you can get rid of 600 of them in an hour of moderate pedaling.

There is also a sense of happiness and enrichment in cycling. In Dr. White's words, "It brings us back to earth and to the enjoyment of nature. If more of us exercised like this, we'd have a sharp reduction in the amount of tranquilizers and sleeping pills in use today."

Added benefits in America's cycling boom are the pleasure of simple bike races, and the international excitement of Olympic bicycle tournaments.

The healthful and stimulating exercise of cycling, and the relaxing fun of it, are found annually by many Americans. According to Dr. White, more Americans would be livelier and happier too, if they discovered the wheel—the bicycle wheel.



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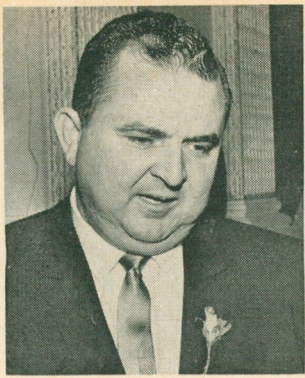
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Photos courtesy of Oregon Journal Sports

## *Oh, Them Golden Slippers*

OSU's new football coach brings color  
to the school's athletic program

**L**ET'S SET THE SCENE for the night of October 2, 1965.

It's Saturday and many Los Angeles football fans have arrived at the coliseum early. They came in shirtsleeves, searching for comfort in the warm stale air. The sun has already disappeared, taking much of the air-choking smog with it. From high above the spacious athletic arena electric lights beam directly down onto the playing field, exposing the yellow-green turf.

Just as the crowd starts to settle into their seats, a flurry of excitement comes echoing out of the tunnel at the north end of the stadium! Two men, both short and stocky and in white shirts and ties, are elbowing each other for position out of the north runway.

Suddenly, they break into the vastness of the coliseum. Charging like runaway thoroughbreds, they race for midfield. One with head

down, arms churning, elbows in close, rushing like a lineman. The other's head is tipped back, arms swinging rhythmically, toes reaching out, sprinting as a halfback.

Behind them gallop an array of maroon and gold, and white, black and orange, uniformed men. They discreetly hold back their gait, for this is their coaches' moment.

Who will reach mid-field first?

We hope it will be Demosthenes Konstandies Andreopolous.

No, the linotype machine didn't run amuck. It's just that you don't recognize the name. Watered down it spells Dee Andros, Oregon State's new football coach. The other fellow is John McKay, coach at University of Southern California.

It should be quite a contest. The football game to follow, between the Beavers and the Trojans, should be a great contest, too.

Andros and McKay are apostles

of the school of sprinting football coaches. Our own Dee, who quite possibly could be wearing gold-plated golf shoes, explains his leading the team onto the field:

"This practice dates back to my World War II days when I was a Marine sergeant on Iwo Jima. After the landing on Green Beach, with enemy mortar shells bursting all around, I was with the rest of the men, hunched down and scared to death.

"Then our Colonel went over the top with a 'let's go get 'em' attitude. I found myself immediately following him. It's something I'll never forget."

He says he will continue to run full-speed to the bench as long as he still can make it. He does recognize, however, that "the players have to slow up for me a little more each year.

"You can easily tell the veterans



from the first-year men. They always seem to hang back a little more."

Prior to coming to Oregon State, Andros led his Idaho Vandals onto the field for three years. Before that he led the charge for Pete Elliott's teams at Nebraska, California and Illinois.

About his name, "I dropped the Greek spelling a long time ago. I could never remember how to spell it."

As a guard on the Bud Wilkinson coached Oklahoma team of 1949, Andros was named to the Greek all-America team.

"In the whole country that season there were 12 college football players of Greek descent. I beat out one of them."

Last year when Andros charged onto the field for Idaho, he was wearing gold golf shoes.

"I was playing in a lot of pro-amateur tournaments. The local pro there in Moscow said my golf game was terrible. He said it was beyond help. In fact he said I could probably drive a golf ball from inside a telephone booth. And I can hardly get into a phone booth!

"Since I was representing the University of Idaho in these tournaments, they decided that if I couldn't become the best golfer, they'd make me one of the best dressed."

Gold is one of Idaho's school colors, so the gold colored golf shoes became part of his football coaching attire.

Will he wear the shoes while at Oregon State?

"I don't know if I will or not. Maybe I'll get orange ones."

He has received one orange shoe already. It was presented to him at the Oregon Sportswriters and Sportscasters banquet held in early February. It has an especially built up toe plate. Inside the shoe there is an inscription: "For kicking on fourth down only."

There is a story here, too.

Former OSU Coach Tommy Prothro was notorious for punting on second and third down. After succeeding Prothro, Andros was asked if he ever punted on second down.

"No, sir! They have trouble making me punt on fourth down. That ball is too hard for me to get to be giving it up on second down.

"... Last year we (Idaho) were playing Utah State and ahead 21-6 at the half. I gave such a fine talk at halftime—I'm noted for my halftime talks—that before the kids could shake it off, Utah State was ahead, 22-21.

"It was fourth quarter with 11 minutes to go. We had the ball on our own 26 yard line, fourth and two. I said go for it. Everyone

thought I was crazy. The quarterback couldn't even believe me. Anyway, we went for it, and made it.

"We got up to midfield and it's fourth and three. I said go for it. We made it. On the next play we went 48 yards for a touchdown and won, 27-22."

Oregon Staters everywhere are going to like the deep-throated Dee Andros. He is an extrovert deluxe. He smiles easily and broadly. His laugh is contagious. As for his warm personality, well "it just comes natural to him," said one of the rapidly accumulating members of the Dee Andros' fan club.

He is in direct contrast to the reserved Prothro. His players will find him much more approachable, too.

Andros' first move on the very day he was named OSU coach was to call a team meeting. When he learned that Jack "Mad Dog" O'Billovich was in the infirmary and couldn't get out to attend the squad meeting, Dee didn't hesitate. "Where is your infirmary? I'm going over there and see him."

Upon meeting Linebacker O'Billovich as he lay on the bed, he said, "This is the first time I've ever seen you lying on your back!"

Oregon State got more than a coach when they hired Andros.

**A**FTER 10 YEARS AT OREGON STATE Tommy Prothro stepped aside as football coach to accept the head football coaching job at UCLA. He took four of his assistants at OSU with him: Ron Siegrist, '56, Jerry Long, '50, Bobb McKittrick, '58, and John Cooper, graduate of Iowa State University. Two other assistants, Joe Francis, '58 and Bob Zelinka, graduate of UCLA, left coaching to enter private business.

What Prothro accomplished in his tenure at Oregon State is widely known. His won-lost percentage since 1955 is the best of any school that was a member of the old Pacific Coast Conference. All those schools, except Idaho, are now members of the AAWU Conference. Prothro's record at OSU will stand at 63-38-2.

The following are comments made of Prothro after he had announced his decision to accept the UCLA coaching offer.

**Al Lightner, Sports Editor Salem Statesman—**  
"When Tommy Prothro and his southern drawl first arrived at Corvallis in 1955, he was hard to know and even difficult to like. He impressed many as being an aloof, self-centered transplant from the hissable southern California area. Others quickly wrote him off as being an egregious egotist who figured he was really too big an item for little Corvallis and its surroundings. But those were first impressions, and how wrong they were. The more you were around the man, the more you found yourself respecting his dignity, knowledge and dedication, as well as his ability to coach and win football games ..."

**Dick Strite, Sports Editor, Eugene Register-Guard**  
—"Prothro has been a controversial figure at Oregon State, mostly because of his policy to call the plays from the press box. To Prothro, a member of an independently wealthy family (mostly real estate) in and



"I'm very, very eager. And I'm a fine public relations man. I want to take every speaking engagement that I can. If you ever need our help for a program, you know we'll come. I want to make a lot of friends.

"I'm a firm believer in the fact that no red blooded American man wants to see his friend hanging from a tree."

Andros carries a burly 245 pounds on his 5-10 frame. But, he still looks like the 225-pound guard he was for Wilkinson when he gained all Big Eight honors at Oklahoma.

"The weight's distributed just a little differently now."

In some ways the coaching philosophy at Oregon State won't change. Andros, as Prothro, is a stickler for fundamentals and defense.

"I believe the team that hits the hardest and the longest wins games." And he agrees with Prothro that "No one school will dominate college football as Notre Dame and Oklahoma once did. There are more good athletes now than ever before . . . enough to spread around."

Next fall Andros plans to concentrate on three full teams. He'll platoon on offense and defense, and have a third team which goes both ways.

"A boy on that third team has to be a fine athlete. He has to learn both the offense and the defense and if a man gets hurt on either one of those teams, he becomes a starter."

He plans to use the same offense he worked at Idaho, the multiple offense. "We'll have 14 different offensive sets. This will include an unbalanced line with an end over, split about 15 yards, and a full-house backfield (all backs line up behind the quarterback) much of the time.

"Paul Brothers is made for it. He's a great one, just what we're looking for."

As for OSU's rugged schedule next year, "We'll be able to take on Illinois, Northwestern and Iowa. And I know we'll be up for Southern Cal. I welcome the schedule. It's a real challenge. And I think we're in their league.

"Anyway, like ol' Darrell (Texas coach Darrell Royal) says, 'If you're going to get beat you might as well get \$60,000 or \$70,000 for it.'"

But Royal seldom loses. Andros doesn't plan on it.

He did not waste much time in selecting his assistants and getting them out on the recruiting trail. Already employed are Johnny Easter-

brook and Bud Riley from his staff at Idaho, Ed Knecht from Boise high school, Gene Felker, assistant coach at Arizona State University the past six years, and Sam Boghosian, assistant to Billy Barnes while he was at UCLA. Also named was Rich Brooks, recent graduate and player at OSU.

Andros was born October 17, 1924, at Oklahoma City and graduated from Central high school there in 1942. Among his teammates at Oklahoma were Jim Owens, present Washington coach, Royal, at Texas, and Bert Clark, coach at Washington State.

He is married, and he and his wife Luella have one child, a daughter, Jeanna, seven years of age.

Solving one of the problems an OSU alumnus assigned him apparently won't give Andros any trouble.

"When I first got here somebody told me, 'By gosh, you better learn to hate the University of Oregon!' Heck, when I went to Idaho they told me I had to hate Cougars. Three days later I never had so much hate as I had for Cougars."

And as Basketball Coach Paul Valenti said, "You fight 'em, Dee, and we'll fight 'em and we're going to get along great."

around Memphis, Tenn., coaching football is probably more of a hobby and he views the UCLA job as more of a challenge than a livelihood.

"The big man from the deep South is considered an exceptionally fine bridge and chess player and loves to play poker and gin rummy as well.

". . . So long, Tommy, it was an experience getting to know you."

**George Pasero, Sports Editor, Oregon Journal**—"Tommy was a 'strong man' coach . . . He ran the show at OSU and sometimes was criticized. There are many who deplore his signal-calling from the press box in the belief that this 'took something away from the boys.'

"For our part, we enjoyed Tommy's friendship and confidence.

"We debated tactics with him in many a long session. You could argue with the man, even though you couldn't always convince him . . . and that's

to his credit, too.

"We'll miss that shrewd mind.

"Part of Prothro's success story at OSU must be credited to his attitude in his very first year that 'it could be done . . . OSU could win.'"

**Melvin Durslag, Sports Writer, Los Angeles Herald-Examiner**—"It is the oldest maxim of coaching that a man goes where conditions are bad, not good. In so doing, he is relieved of the responsibility of producing instant miracles.

"The most flabbergasting phase of the whole transaction is the boldness on the part of UCLA to steal the coach of a fellow member in its conference.

". . . the snatching of Prothro by UCLA has to be the most flagrant act of piracy in modern sports."

**Dick Wallen, President, UCLA Bruin Boosters**—"He (Prothro) went to Oregon State when they couldn't beat a good high school team and built up a fine tradition."



# **how a train collision interrupted a vacation**

"There may be some interest in the account of our trip to Mexico, especially the part dealing with the train wreck . . ."

**W**HAT did we do last summer? Well, we spent about \$300 for gasoline, oil, tires and automobile repairs from Knoxville, Tennessee to Cleveland, Ohio, to Rocky Ford, Colorado, to Portland, Oregon, to San Bernardino, California, to El Paso, Texas, to Mexico City, and return.

My wife Adelle had had no vacation since 1959, having served each summer since then in the Migrant Ministry in the Southwest and the State of Washington. So, taking a canoe along on top of the

car to provide variety and a change of pace on lakes, rivers and the Pacific Ocean (that is, an inlet of San Francisco Bay), we took off on our memorable journey.

There are plenty of exciting places and plenty of exciting things good people are doing if one can happen along at the right time. Preparation of fields and orchards, harvesting of berries and fruits of all kinds by interesting migratory workers who follow the crops from Mexico to Canada may be found in labor camps or out in the fields or orchards. Many of them come from

places in Mexico where we have been.

According to our map our route through western Wyoming passed through fossil fish beds. We inquired at an oil pumping station where a geologist enlightened us.

"You see that mesa about a mile off the road? On top of it is a strata of soft limy shale full of them."

We had to go, but the face of the mesa became more and more like an overhanging roof so treacherous that "little we-uns" felt mighty lucky to have gotten out of there with our lives. We saw the



black imprints of some eighty million year-old fish pressed between thin layers of chalky shale, once the soft mud of shallow seas.

Travelling in Mexico is a great learning experience if you know something about the language. It is from this standpoint that the language professionals and perfectionists are doing the American people a great disservice for they would discourage amateurs like myself.

"Better to not know a language at all than to have just a smattering of it," I have heard it said.

**T**O MAKE FRIENDS with a Mexican in his village, in his home, on the street, or on the bus is a unique experience. To share with a Mexican in his individual and collective life is a rare opportunity, especially for a student of sociology or anthropology. Every friend gained is a link in the chain of better understanding between nations.

We had an opportunity to observe the work of the churches and the missionaries, both protestant and Catholic. One is staggered by the magnitude and complexity of what is going on in Mexico City, one of the largest cities of the world and one of the fastest growing cities. The dynamics of the situation there is unprecedented and fantastic beyond the power of the human mind to grasp. The religious, educational and governmental institutions are unprepared to handle the situation.

We visited the family planning center staffed by competent doctors, nurses and social workers supported by prominent Catholic and Protestant citizens, serving thousands of women in desperate need of help. Shame on the prophets of doom who tell us we can't do anything with the population explosion in a Catholic country.

We visited in the home of Carlos Merida, one of the great artists (painters) of Mexico. He helped paint the murals in the government buildings of Mexico City and specializes in Indian art. We got a letter of introduction through his

niece from Guatemala, who is an aunt of one of the students who is staying at our home in Knoxville.

Mexico City is an exciting place, not only in the streets but in the conference rooms where representatives for the Americas meet. We visited the television center which relays programs to various parts of Mexico and Central America. Many exiles from countries over the world live here. I ran onto a Brazilian exile who was a classmate of mine at University of Florida.

At Aguas Calientes we visited the government plant for preparation and packaging of milk and other food items for children's lunches. The milk is made up from dry skim milk powder furnished by the United States through our foreign aid program. Distribution goes to children of early and pre-school ages. The program is set up to deal with child health and nutrition, including pre-natal care of mothers.

As for myself, I came out of Mexico with a broken jaw. I had to subsist on liquids, keeping my mouth shut.

**O**N AUGUST 9, our little weekend excursion up into the mountains of the Tarahumara Indian country of northern Mexico came to a sudden halt as the two-car passenger train in which we were riding collided head-on with a diesel-powered freight. This was 30 miles short of our destination at Chihuahua city where we had stored our car. A few more hours and we would have been on our way to El Paso.

We had left San Juanito, in a piney woods section at 8,000 feet elevation, in a downpour of chilly rain at about 3:00 p.m. We were enjoying the clear dry air of the lower elevation at about 6:00 p.m.

Our train was composed of two new Fiat self-propelled cars of Italian make, without the usual baggage cars, and a separate locomotive. Each railroad car was a complete unit, with its own motor in one end and a food and drink serving unit in the other.

We were rocking along at about

50 miles per hour, entering a curve in a cut which limited the vision beyond 100 feet ahead. Adelle said she felt the first application of brakes before the major impact. I only noticed one terrific jolting stop.

The front end of the front car bent upward over the cow-catcher of the diesel in a climbing motion, without injuring the motorman. Buckling and telescoping, it was fifteen to twenty feet back from the front, and, fortunately, the main body of the train stayed on the tracks. The train was loaded to the hilt with people standing in the vestibule and aisles, especially in the front car.

At the beginning of the trip Adelle and I had to stand with some of the crowd, which started drinking whiskey and beer. The fellow I later recognized with a possible brain concussion was heavily soused and sleeping among some bags in the vestibule. After an hour of standing, the conductor moved us to the front end of the rear car, fortunately for us, even though the seats were parallel with and against the windows, across the aisle from the snack bar.

With the impact came cries of terror and pain. Sixty people were hurt to some extent, none were killed. There were a few broken legs, twisted backs, possible brain concussions, bloody shirts and faces.

**A**DELLE PITCHED toward the front row of seats and then caught herself falling into a bunch of empty pop bottles without injury. She was thrown opposite from the direction of travel, so I suppose it was the rebound. I had felt a sharp pain in front of my ear. My lower jaw took up the impact, probably from my shoulders which were leaning against the window frame.

I felt no discomfort in any part of my body except in the lower jaw, teeth and gums, which seemed to be coming apart. I discovered that supporting my jaw with the hollow of my hands relieved the pain. When the word came for everybody to pile out of the car some-



one took me by the arms. This had to be stopped because I needed my arms to hold up my jaw.

An American doctor was going from one injured person to another rendering first aid as we sat or lay on the bank alongside the tracks. Adelle went back into the train and brought back a towel which she tied around my head to support my jaw. I saw them carrying people on stretchers from the front car into the rear car. Everyone with minor injuries was being loaded into this car, which backed fourteen miles to Anahuace where the pulp paper factory town had a small hospital.

**P**ROBLEMS of communication and transportation kept everyone confused. Apparently the plans were to get everyone to Chihuahua as soon as the track could be cleared and emergency treatment given.

My first thought was to get word to Chihuahua to have our auto brought out so that I could get to the Palmore Hospital. Adelle went out with some folks to find a telephone. She got into the office of the paper factory where there was a telephone, but couldn't get a message through. Some taxis wanted to take us in, for a price, but we finally decided to stick it out with the other non-emergency cases. Some of the emergency cases had been taken to Chihuahua in an ambulance and a special doctor from Chihuahua finally arrived. The railroad company apparently was doing its best to look after us.

After a time my head was X-rayed and the doctor decided I was not an emergency case. I would be shipped into a Chihuahua hospital to be taken care of the next day.

It was back to the waiting room bench with several others, including a kindly Jesuit priest who knew English well enough to help us interpret what was going on. He was a missionary in the wilds of the Tarahumara Indian territory on his way to see his sick mother in Pueblo, Mexico.

*"... when the dispatcher, who let the freight go through, heard about the accident he took to his heels . . ."*

We dozed around, making guesses as to what would happen next. From down the hall I kept hearing a fellow moaning from pain and a drunken delirium. People kept coming and going all night. Someone found some pillows and about 3:30 in the morning an operating table couch was turned over to me. Except for some fresh blood stains on the cover it was O.K. and I got a little sleep before 5:00 a.m. when we got word that one of the train coaches was waiting out on the tracks to take the last contingent to Chihuahua. A curious crowd had gathered at the Chihuahua station to see us get off and pile into hospital ambulances.

I received another series of X-rays and was put in a ward with six other companion victims. A very pleasant Mexican doctor who spoke good English looked me over but I didn't like the sanitary conditions and general appearance of things. I was happy when Miss Humphrey, director of the Methodist Palmore Hospital, came over with the Mexican business manager and arranged to have me taken over there where I knew things were clean and where I knew I was among friends. I hated to leave the other victims of my ward including the Jesuit priest who had stood by us through the night. I was wired up the next day.

**T**HE CAUSE of all the trouble was a dispatcher who, through carelessness, let the freight train leave Chihuahua without notifying the oncoming passenger train or the freight train to take to a siding at any of the stations through which the trains passed.

The station master and dispatcher for the station where we boarded the train was not even at the station, but at his home a block away. It was raining hard and he didn't want to be bothered with

going to the station. The family told us the conductor could see about our tickets. At any rate, when the dispatcher, who let the freight go through, heard about the accident he took to his heels, but the police caught him.

On Tuesday, August 11, I had my jaw wired up by a Mexican doctor who had several years practice in the United States as a bone specialist. On Thursday we headed for Juarez and El Paso across a 250-mile stretch of desert. I subsisted on a couple cans of tomato juice.

Juarez, Mexico is a fantastic place if you get beyond the tourist shopping streets to where people are piled on top of each other trying to live and make a living where there is practically nothing to live on. In the evening the unpaved streets are so loaded with people, partly naked, that one might describe them as a sea of flesh.

**H**ERE YOU SEE some of the attempts of dedicated and brave souls, with the help of the Mexican government and hands across the border, to alleviate the situation. The flow of American help is impeded by certain government regulations and discriminatory practices at the border crossing places. Our Justice and State Departments should look into this matter.

There are certain risks to life and limb and some special health hazards for those who would travel in Mexico, but at each turn of the road there is something unusual and interesting which reveals another facet of Mexican life. Through all the train accident experience I did not have a dull moment. I learned much about Mexican life which I could not otherwise have learned. Train and hospital personnel did their best to give us good care, and we appreciate it.





At six feet, Jimmy Jarvis completely dominates a big man's game

**A**T A RECENT PRESS luncheon Coach Paul Valenti was asked if he had seen any basketball player this season that he would be willing to trade his own Jim Jarvis for.

It was purely a speculative question, of course, but it brought an emphatic and deliberate reply from the popular young mentor now in his first year at the Beaver basketball helm.

"I'll say I haven't," Valenti answered without reservation. "I wouldn't trade Jimmy Jarvis for

any college basketball player anywhere."

The comment by Valenti has been seconded many times by Oregon State hoop followers who have watched this Roseburg senior perform so brilliantly these last three years. Jarvis is the highest scoring guard in OSU history, and in the opinion of many, is the finest all-around back-court performer as well. There just isn't much that Jarvis can't do with a basketball.

Valenti's current captain has had an interesting, and unusual, career.

He was a prep all-American at Roseburg high school, and even then captivated the fans with his great ball-handling ability and outside shooting. Some even compared him to the famous Bob Cousy of the Boston Celtics, mainly for his sleight-of-hand tactics that continued to fool the opposition.

Dozens of colleges and universities offered Jim scholarships, as would be expected, and Oregon State finally won out. Ironically, this same Paul Valenti had much to do with Jarvis coming to OSU, for



he admired Valenti so very much, just as he did Slat's Gill. And Valenti played a big part in the recruiting role.

As a freshman, Jarvis continued to captivate audiences, and for the first time in history, near-capacity throngs turned out to watch the preliminary games prior to varsity contests. He and Frank Peters formed one of the best freshman guard combinations in many years, and the fans loved 'em. People could hardly wait until Jim was to join the varsity for his sophomore season, along with veterans Terry Baker, Steve Pauly, Mel Counts and others.

**A**CTUALLY, JIM DIDN'T SET the world on fire his sophomore season, although he did quite well. He played it a bit conservative, and that made sense, for most of the others were more experienced. In 1963, Jarvis scored 191 points in 31 games for a 6.2 average—far below his normal output up until then.

Jim cut loose a bit more his junior year, with Baker gone, and wound up as Number 2 OSU scorer with 403 points, an average of 13.9 points per contest. Counts, of course, was top man on the totem pole, and he got plenty of buckets on passes from Jarvis. Jarvis, incidentally, became the first Oregon Stater to shoot at a .500 percentage in field goals for an entire season.

This season has been Jim's best, by far. He's the squad captain, and a real leader. As Valenti says, "When things get tough, I just yell out there—take it over, Jim," and he handles the situation. Through the first 20 games, with six still remaining (at this writing), Jarvis had collected 411 points, better than a 20-point average.

Only once had he failed to score in the double figures, and that was in the season opener against University of San Francisco. Through 20 games, Jarvis had become the 5th leading career pointmaker in Oregon State history, and was a cinch to become 4th. Only ones ahead of him were giants such as Counts (7-0), Dave Gambee (6-7) and Cliff Crandall (6-3). Although he could play guard, Crandall actually was considered more of a forward.

Jim's true worth cannot be measured simply in terms of baskets he scores. His defense has been superb, as evidenced by individual assignments on such standouts as Oregon's Nick Jones. As a ball-handler he has no peer in the Pacific Athletic Conference, which includes UCLA, Southern California, Stanford, California, Washington, Washington State and Oregon as members. And his passing also has been unequalled. In essence, Jim Jarvis is a team player, even though he does shoot more than his teammates. Luckily for Oregon State, he does shoot as often as he does.

**T**HE JARVIS SUCCESS STORY coincides, in a sense, with the Paul Valenti success story. This has been Paul's first season as head basketball coach, even though he did take over for a portion of one season several years ago when Slat's Gill became ill.

The Beavers under Valenti have worked hard to overcome certain physical handicaps when they face other teams. Because of a height disadvantage, usually the Beavers are out-rebounded. They're not as fast as most teams. And in some cases, the opponents have had more experience.

But Valenti has defied all of these odds, and came up with a mighty interesting basketball team, one that has a chance to win against anybody. Sweeping the Far West Classic championship for the 9th straight time simply was incredible, and some of those victories registered over other teams also looked impossible.

Tennessee, Northwestern, Army, Washington, Stanford, California, USC, Oregon—those were all good ball clubs, and yet Oregon State managed to win. At this writing, the Beavers were 12-8 for the season, and but for an outstanding coaching job and some real hustle by the players, it could easily have been 6-14 or 4-16 instead.

The Beavers won't win any championship in 1965—insofar as NCAA regionals are concerned. They just haven't the overall talent this year.

But it still has been an interesting season and Oregon State can honestly lay claim to having the best all-around basketball player in the Pacific Athletic Conference. They just don't come much better than Jim Jarvis.

#### ALL-TIME LEADING CAREER SCORERS AT OSU

	<i>Name</i>	<i>Height</i>	<i>Years</i>	<i>Points</i>
1.	Mel Counts	7-0	1962-63-64	1,973
2.	Dave Gambee	6-7	1956-57-58	1,468
3.	Cliff Crandall	6-3	1946-47-48-49	1,255
4.	Swede Halbrook*	7-3	1954-55	1,011
5.	JIM JARVIS	6-0	1963-64-65	1,005
6.	Jay Carty	6-7	1960-61-62	960
7.	Tony Vlastelica	6-5	1953-54-55	948
8.	Red Rocha	6-8	1945-46-47	911
9.	Ken Nanson	6-0	1956-57-58	858
10.	Lew Beck	5-11	1942-43-47	820

\* Jarvis has six games remaining to play and should pass Halbrook as the fourth leading scorer.



# Alumni

**Robert P. Conklin, '23**, a veteran of nearly 50 years in the forest products industry, has retired, it was announced by U.S. Plywood. Manager of Western lands and timber at the time of his retirement, Conklin had been executive vice president of Cascades Plywood Corp. when that firm was acquired by U.S. in 1962.

In 1916 he was a member of the survey crew that established the route of the Skyline Road along the summit of the Cascades. He participated in the formation and was a past president of several major industry associations.

**Miss Cora E. Mason, '25**, of Ashland, Oreg., is among 31 persons who were commissioned for Methodist missionary and deaconess service in the United States and seven other countries Jan. 22 at Buck Hill Falls, Pa.

Miss Mason will go to India to serve as a missionary librarian in Christian schools.

Besides a bachelor of science degree from Oregon State, Miss Mason also received a bachelor of arts from Willamette University in Salem, Oreg., a bachelor of science in library science from University of Washington, and a master of arts in religious education from Pacific School of Religion in Berkeley, Calif.

**Robert F. Bennett, '25**, electrical engineer with the Bonneville Power Administration, was recently presented the U.S. Department of the Interior Honor Award for Commendable Service. He retired Dec. 30, 1964, after 30 years of service with the Federal Government.

Previous to his employment with BPA, Bennett worked four years for the Hanford Engineer Works, originally part of the Manhattan District which was directed by the Corps of Engineers, War Department. Here he participated in work essential to the production of the atomic bomb.

He was employed for nine years by the U.S. Army Corps of Engineers during the construction and initial operation of the Bonneville Project.

Mr. and Mrs. Bennett left in February on a trip around the world and will return in August.

**D. M. Anderson, '29**, has been appointed general manager of Sunkist Growers, effective Feb. 1 of this year.

Anderson, a native Californian, joined the Sunkist organization as a member of the merchandising staff in 1931. In 1940 he be-

came a member of the advertising staff in Los Angeles and in 1946 was named director of public relations.

In 1950 he was appointed corporate secretary and in 1957 was named assistant general manager.

**H. T. Hutchinson, '30**, an ex-Oregonian, has been elected a director of Richfield Oil Corporation.

Hutchinson was elected a vice president of Richfield in September, 1964, after his appointment to general manager of marketing earlier in the year.

He joined Richfield at Portland in 1929, and held various sales positions until 1946, when he was made manager of central marketing division in San Francisco.

**Henry F. DeBoest, '30**, was elected vice-president for sales for Eli Lilly and Company. He had been executive director of sales.

DeBoest joined the company as a salesman in Eugene, Oreg., in 1932. In 1947 he was assigned to Indianapolis to become assistant director of the production control division. Four years later he was reassigned to the sales organization.

**Lt. Col. George A. Fuller, '36**, formerly of Corvallis, has retired from the U.S. Air Force at Castle AFB, Calif., after more than 20 years military service. He was deputy commander at Castle prior to his retirement.

The Colonel earned a bachelor of science at Oregon State. He was commissioned by direct appointment.

**Carlock E. Johnson, '37**, has been appointed as Superintendent of Isle Royale National Park, according to National Park Service Director George Hartzog.

Johnson comes to Isle Royale from Flaming Gorge National Recreation Area Project, Wyoming-Utah. Prior to that assignment he served at Carlsbad Caverns National Park, New Mexico; Kings Canyon and Sequoia National Parks, California; Crater Lake National Park, Oregon, and at Great Smoky Mountains National Park, North Carolina-Tennessee. He is a veteran of 22 years with the National Park Service.

Johnson and his wife will move to Houghton, Mich., winter headquarters of the Park.

**Robert F. Tarrant, '41**, veteran forest soil scientist with Pacific Northwest Forest and Range Experiment station in Portland, has been transferred to the Forestry Science Laboratory at Corvallis. He will head the new Forest Service research on effects of pesticides in soil and water.

Tarrant has been a soil scientist with the U.S. Department of Agriculture since 1941.

His wife is the former **Jean Horton, '41**.

**Winston E. Banko, '43**, **Daniel H. Janzen, '29**, and **Hans G. Uhlig, '47**, made contributions to the writing of the Department of Interior's new book, "*Waterfowl Tomorrow*." The book's 69 chapters were written by 103 well-known experts from Canada and the United States representing 42 agencies and organizations.

Banko is presently "on loan" from the Bureau of Sport Fisheries and Wildlife in Washington, D. C., to the Smithsonian Institute. He has 15 years experience in waterfowl management, during which he analyzed a 25-year accumulation of life history and population records on the trumpeter swan.

Janzen is Director, Bureau of Sport Fisheries and Wildlife, a position he has held since 1957. For 10 years prior to that he was Regional Director for the same Bureau in the Midwestern States. He has 35 years' experience in wildlife management and administration.

Uhlig is biologist for the Soil Conservation Service, U.S. Department of Agriculture, at Saint Paul, Minn. He has conducted research on wildlife in several states. His specialty is land-use planning for income-producing outdoor recreation. He has a graduate degree from Oregon State.

**Gerald E. Pfenning, '48**, has been appointed chief of drilling operations for Shell Oil Company's New Orleans Exploration and Production Area.

Pfenning was born in Portland and received a degree from Oregon State in mechanical engineering. He joined Shell as a trainee in Los Angeles. He later worked as a drilling and production foreman.

Pfenning transferred to New Orleans in 1961 as Area Drilling Engineer and since 1963 has served as Drilling Superintendent for Shell's Southeast Division.

**William Alexander, '49**, is in India serving as an instructor in a University there. He has been professor of political science at California Polytechnic Institute since 1958.

He went to India under a Fulbright grant sponsored by the U.S. State Department to lecture at Msulim University, Aligarh, India, on public administration and International Relations.

Alexander took his wife Anna (**MacGillivray, '51**) and three children to India with him.

**James Rodgers, '50**, has been appointed to the new position of chief industrial engineer for Weyerhaeuser Company's wood products division.

Rodgers was chapter president of Tau Beta



Cora E. Mason, '25



Robert F. Bennett, '25



G. E. Pfenning, '48



Howard H. Hinck, '57





*Alumni in the Long Beach area were special guests of downtown Long Beach Kiwanis Club Dec. 29, when President James Jensen was main speaker. Back row, from left: Aaron Funk, '38; George A. (Gap) Powell, '22; Jon Masterson, '61; President Jensen; Mel Masterson, '35; Herb Rich; Everett H. Miller, '24; James Heartwell, '38; Freeman Sinclair, '17; and George Powell, Jr., '46. Front row, from left: Jack Sharkey, '59; Fred Shideler, '41, director of information, OSU; Ray Powell, '23, and Mertroe Hollinger, '23.*

Pi, national engineering honor fraternity while at OSU, and was a member of two other engineering honor societies, Sigma Tau and Pi Tau Sigma. He joined Weyerhaeuser as a mechanical engineer at Longview, Wash. in 1950.

**E. D. "Dean" Schamp, '51**, has been appointed vice-president and general manager of Product Engineering Co., Inc., a subsidiary of Northwest Industries, Inc. He will work in the Portland area.

Schamp was an engineering officer in the Military Sea Transport Service. He also was sales manager for New England Lead Company prior to becoming founder and president of Radcor, which specialized in chemical processing equipment and was acquired along with Product Engineering Company by Northwest Industries, Inc.

**R. G. Snyder, '51**, is the co-winner of the annual Coblentz Memorial Award. The award is made annually by The Coblentz Society to an outstanding spectroscopist under 36 years of age.

Snyder received an A. B. degree in Chemistry at Oregon State. He also did graduate work here and received his M.S. and Ph.D. degree in Physical Chemistry in 1954 and 1955.

He joined the Emeryville Research Center staff of the Shell Development Company as a chemist in the Spectroscopic Department in 1956. He came to the Chemical Physics Department in 1961.

**Capt. Charles LaVerne Ferguson, '54**, former Oregon State football captain, was shot down in an F100 Supersabre and was rescued many hours later. His companion was shot down in an F106 Thunderchief and was rescued quickly.

The Defense Department announcement of the incident, which gives no suggestion of the planes' mission, was the first official disclosure that the 1,500-mile-per-hour Thunderchief is operating in Southeast Asia.

Loss of two supersonic aircraft, one of them among the world's best performers, tends to suggest that the Laos flights are operated in some kind of "Lead Alley" where courses are predictable, tactics are restricted and ground guns are moved readily into advantageous positions.

Capt. Ferguson's parents said that he told them he was going to the Far East. They had no idea he was flying missions over Laos.

**Howard H. Hinck, '57**, has been named a medical service representative for Travenol Laboratories, serving the Portland territory.

Prior to joining Travenol Hinck was with

the Shell Oil Company. Travenol Laboratories is a producer of pharmaceuticals, artificial organs, syringes, needles, intravenous solutions and blood equipment.

**Jack Gotta, '58**, former pass-catching end with the Saskatchewan Roughriders of the Canadian Football League, has signed as assistant coach of the club for 1965.

Gotta played for Oregon State, the Cleveland Browns of the National Football League and the Calgary Stampeders before coming to Regina.

**John H. Hudson, '60**, has been elected president of the 57-year-old Hudson House, Inc., wholesale grocery, packing, cannery and retail food operation.

Robert A. Hudson Sr., known as "Mr. Golf" throughout the world, became chairman of the board of directors under the change in officers.

The new president is a vice-president and a co-founder of Patty Day, Inc., a division of Hudson House, Inc., specializing in non-food items.

**Andrew O. Hesse, '62**, has been appointed as executive administrator to the bay area in-

dustry of Berkeley Pacific Laboratories in Berkeley, Calif. His new duties will include promotions and industrial relations as well as those of senior administrator.

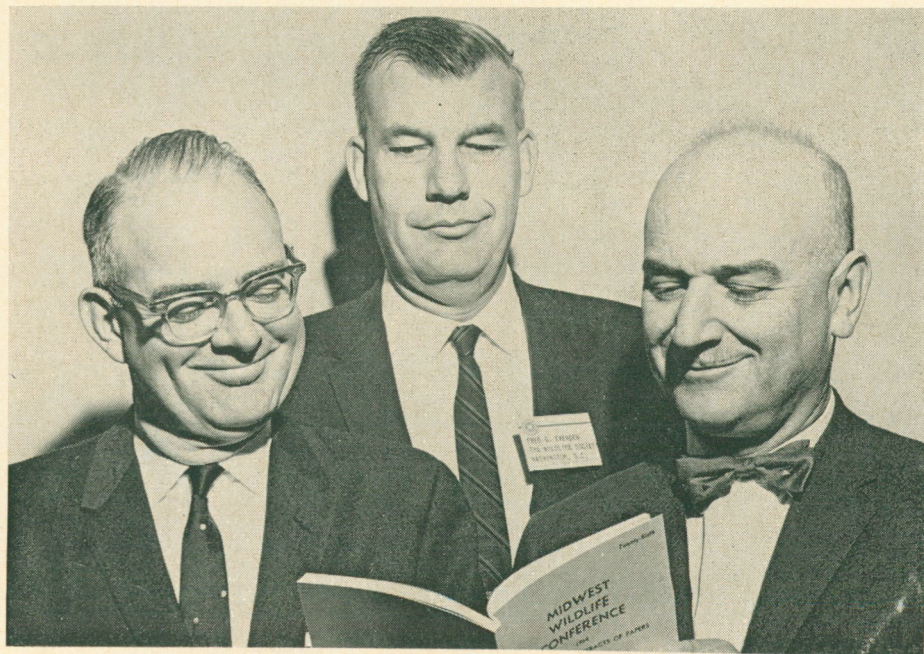
Hesse has been active in various community and business activities including the Junior and Senior Chambers of Commerce, the chamber's industrial planning commission, is past chairman of the Davis Christmas Decorations Contest and the Fourth of July Chicken Bar-B-Q, member of both the Northern California and National Animal Care Panels and has served on various ad hoc professional committees.

**Dr. Robert F. Strand, '64**, has been promoted to supervisor of forestry research for the Crown Zellerbach Corp. in Camas, Wash.

Dr. Strand returned to the research division following a leave of absence during which he earned his Doctor of Philosophy degree from Oregon State. He joined the research division in 1956 and was an associate forester prior to being named to the supervisor's position.

He holds Bachelor of Science and Master of Forestry degrees from University of Washington.

*Two prominent conservationists who are Oregon State alumni took part in the Midwest Wildlife Conference held at Indiana University in Bloomington. They were Fred G. Evenden, '43 (center), executive secretary of the Wildlife Society, Washington, D. C., and George J. Eicher, '41 (right), Portland, president of the American Fisheries Society. At left is Shelby D. Gerking of Indiana University.*





# Class

'13

Mr. and Mrs. **Nelson E. Likins** celebrated their 50th wedding anniversary in Beaverton last summer at a reception for close relatives and friends. The couple was married August 20, 1914, in Portland, and have been lifetime residents of the Portland area. Mr. Likins was a civil engineer until his retirement in 1963. Four children, twelve grandchildren and two great-grandchildren helped to celebrate the happy occasion.

## Classes of '14 & Under

### Golden Jubilee Reunion

June 12, 1965

'14

Mr. and Mrs. **Fred W. Schreiber (Hazel A. Schiffman, '16)** reached a special milestone in a romance which began when they were students at OSU as they celebrated their golden wedding anniversary last summer. The couple's daughter was hostess at a dinner honoring the couple at McMinnville. The Schreibers have lived on the same farm, near McMinnville, since their wedding, where they enjoy visits from their three grandchildren and five great-grandchildren.

## Class of '15

### Fifty-Year Reunion

June 12, 1965

'16

A note from **Arthur E. Turner** finds him living in Tacoma, Washington, where he is retired.

**Martin A. Schreiber** lives in Fresno, California where he has retired from the teaching profession, but substitutes occasionally.

'19

**Lawrence Fudge** is now at home in Seattle, after retiring from the General Electric Company after forty-two years in the engineering department. He writes that now he is able to enjoy some traveling, and has taken trips to Europe, New Zealand, Australia and the Orient. When he is at home, golf and photography keep him busy.

'21

**Alvin H. Madsen** recently returned from a trip to the Kivu Province, Congo, where he visited his son, a Baptist missionary there. Highlights of his trip included safaris to such places as the Pigmy colony, the Ladder of Venus Falls at Mt. Hoi where the Tarzan movies were filmed, the Great Prince Albert National Game reserve, and other points of interest. On his way home, he also visited the Holy Land, Rome, Paris, Switzerland, and other European cities.

'25

**William R. Bennett**, an electrical engineering major, is head of the Data Theory Department, Bell Telephone Laboratories, Holmdel, N. J. His

latest book "Data Transmission" is announced for release in 1965 by McGraw Hill Book Co.

## Class of '25

### Forty-Year Reunion

June 12, 1965

'26

**K. B. McGuire**, who retired from private logging and sawmill operations in 1962, is now a member of the California State Board of Forestry, and makes his home at Fort Bragg, Calif.

'27

Mr. and Mrs. **Ray W. McDuffee (Nellie C. Watson)** are at home in Penn Grove, Calif., where Mr. McDuffee teaches at Cork Junior High School. He retired from the U.S. Air Force as a Colonel in recent years.

'32

**Erwin A. Dann**, assistant superintendent of Fresno City Unified School District, will become superintendent July 1. He has been a member of the Fresno School Systems since 1945.

'40

**Nina E. Asbahr** and **Leroy Hassler, '42**, were married last summer in the garden of the bride's parents Corvallis home. The couple is now at home in Buena Park, Calif., where she teaches school, and he is employed by Orangeland Distributors.

## Class of '40

### Twenty-Five-Year Reunion

October 23, 1965

'42

**Jeanne Laura Beaumont** lives in Los Angeles where she owns "House of Hardwood."

**Gene M. Williams** recently moved from his Colorado home to Gersthofen, Germany, where he sells insurance for Capitol Life Co. The Williams' oldest son, Craig is a freshman at OSU.

'43

The R. E. Vorbergs (**Pat Talbot**) make their home in Grants Pass where two of their three children attend high school. Their oldest son, **Robert T. Vorberg**, is a sophomore at OSU.

Major and Mrs. **V. L. Nunenkamp (Chris Burlingame, '42)** are living at Edwards AFB, California, where Major Nunenkamp is engaged in a test program. Following completion of the assignment, they expect to transfer to Orlando AFB, Florida. The couple's daughter, Vicki, is attending Georgia Southern College, while son, **David Nunenkamp**, will graduate from OSU in June.

'47

**Bob Carlson**, a member of the Ralph M. Parsons Corp., Los Angeles, and **Chet Stipe**, research engineer with Jet Propulsion Laboratory and their wives, were among the many "Beavers" in the stands at Pasadena New Years Day.

'49

**Martin Edwin Schreiber** works in instrumentation at Aerojet General, Azusa, California.

The **Wyman F. Mills** family, including wife, Betty and five sons, recently moved to Shelton, Washington, where Mr. Mills transferred to the Purchasing Dept. of Simpson Timber Co. He was formerly a purchasing agent for the company in Portland.

## Class of '50

### Fifteen-Year Reunion

October 23, 1965

'51

**William C. Dale, Jr.** was promoted to the rank of Major in the U.S. Air Force and became Deputy Director for Engineering of the KC-135 Systems Program Office at the Aeronautical Division of Wright Patterson Air Force Base, Ohio.

'52

**H. A. Zenger** is employed by Dandia Corp. of Livermore, California, as Supervisor of Safety Engineering. He lives with his family in a new home at Danville, Calif., where he is active in the Boy Scouting program.

'53

**Joan P. Johnson** and **Leonard G. Conkling** were married last fall in Portland.

'54

The **Don Remlingers (Mary Molly McKenzie, '55)** are at home in Eugene, where Dr. Remlinger began private practice of internal medicine last summer. The couple has three children.

'55

Lt. and Mrs. **Kenneth J. Sikes (Sally Ann McCoy)** are stationed in Kisarazu, Japan and expect to be there for a three year tour of duty. The Sikes have two daughters.

**Carolyn Stott Smith** lives with her husband and two sons in Spokane where Mr. Smith is branch manager of Hooper-Holmes Bureau, Inc. Before her marriage, she was a legal secretary in Portland.

## Class of '55

### Ten-Year Reunion

October 30, 1965

'56

**Pat Paine Miller** moved with her husband, Monte, and two sons from Maine to southern California. They are now at home in Los Angeles.

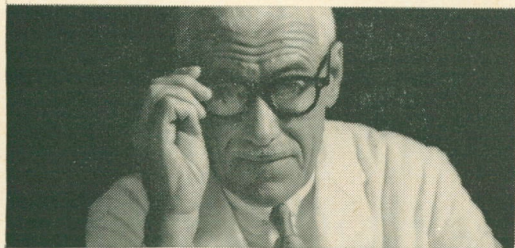
'57

**Craig Davis** and his wife, **Carolyn Garrard, '58**, are living in Seattle where Craig is finishing work for his Ph.D. at the University of Washington, and Carolyn is teaching fourth grade. The couple has one son.

**Arnold Edwin Manseth** and **Nancy Alice Diven** were married last fall in Portland.



A **CANCER PATIENT** needs, weekly transportation to a treatment center. She turns to the American Cancer Society and is helped.



A **PHYSICIAN** must keep up with the fast developing facts in cancer control. He turns to his journals and the American Cancer Society professional publications and films for this information.

A **MOTHER** wants to know how to guard against cancer of the cervix. She turns to her physician and to the American Cancer Society for answers to her questions.



## **cancer!** *where can you turn?*



A **BUSINESSMAN** wants to protect his employees. He turns to the American Cancer Society for life-saving pamphlets, films, danger signal posters and speakers.

A **SCIENTIST** needs funds to support his research on leukemia. He turns to the American Cancer Society which invests millions annually in cancer research.



The American Cancer Society is many things to many people—and is made up of many people—two million volunteer physicians, businessmen, union leaders, nurses, scientists, housewives, dedicated to one goal: saving lives from cancer. Through the Society's nationwide research, education and service programs, they hold out a lifeline to everyone threatened by cancer.

You, too, can turn to the Society. Call your local Unit for more information on what it can do for you—and, incidentally, what you can do for it.

### **CANCER'S SEVEN DANGER SIGNALS**

1. Unusual bleeding or discharge.
2. A lump or thickening in the breast or elsewhere.
3. A sore that does not heal.
4. Change in bowel or bladder habits.
5. Hoarseness or cough.
6. Indigestion or difficulty in swallowing.
7. Change in a wart or mole.

If your signal lasts longer than two weeks, go to your doctor to learn if it means cancer.

**AMERICAN CANCER SOCIETY**





**Bob Brewer**, wife **Joanne Emerson**, '59, and their two children, are still living 15 miles SE of The Dalles on a wheat ranch. Bob was promoted to Captain in the U.S. Army Reserves last year.

After some five years as an electrical engineer for the General Electric Co., **Earl A. Whepley** entered the Episcopal Theological School, Cambridge, Mass. in 1962 to study for the ministry. He is presently in his last year and expects to return to his diocese in Western Massachusetts.

**Lewis Arthur Frederickson**, Process Engineer for California Research Corporation, recently returned from a fourteen month Refinery Startup assignment in Germany.

## '58

**Carol Krogh Richards** and **Robert Gordon Lindstedt** were married in November, as were **Carolyn Ann Burdick** and **Donald Leel Forbes**.

## '59

**Captain Peter W. H. Van Dine** and his wife, **Mary Lou Van Atta** are stationed on Okinawa where Mrs. Van Dine is expecting their fifth child. Captain Van Dine, a member of the Infantry, has made one tour to Viet Nam and expects to make others in the coming months.

The **Harry Busselens (Carroll Kincaid, '59)** are teaching at the high school in Lodi, California, where Carroll is on the counseling staff. Harry also teaches a sociology class at near-by San Joaquin Delta College.

**Mrs. Dorothy Simpson Hansford** is a housewife in Bozeman, Montana, where she cares for her twin boys and a new daughter.

Exchanging wedding vows last summer were **Suzanne Carol Karnath** and **Jack Charles Darley** in Camas, Washington, and **Diane Maxine Ratty** and **David Buck** in Portland.

Mr. and Mrs. **Al Mitchell (Marilyn Piazza, '61)** are living in their new home in San Jose, California, where Al is working for Lockheed Missiles & Space Co. as a Methods Analyst, and will be attending San Jose State College to work on his Masters Degree. Marilyn is a secretary at FMC Corporation.

## '60

Mr. and Mrs. **John P. Knutson (Anne Lampman, '62)** live in Eugene, Oregon, where Jack is district manager for Pontiac Co.

**Nancy Helen Hunt** and **Thomas Robert Uppendahl** were married in Portland last fall and are now at home in Portland where Nancy is assistant buyer at Meier and Frank Co., and Tom is employed by Ernst and Ernst CPA firm.

**Gary Lee Moore**, former OSU baseball pitcher and honor graduate from the Infantry Officers School at Fort Benning, Georgia, was promoted to the rank of Captain November 2, 1964. He is presently Battalion Intelligence Officer with the First Armored Division at Fort Hood, Texas.

**Jack Roberts** and his wife, **Jean Fero, '62**, live in Seattle where Jack is an electrical engineer with Boeing Co., and Jean teaches physical education and health at Franklin High School. The Roberts have one daughter, Deborah.

## '61

**Gale McLain** is living in San Francisco with **Holly Gray**, a 5th grade teacher in the county schools. Gale is currently a hostess for Trans World Airlines.

**1st Lt. Daryl F. Jones** and his wife, Pat, are residents of Santa Clara, California, while Lt. Jones is stationed with the Satellite Test Center in near-by Sunnyvale. **1st Lt. Gary L. Zwicker** lives with his wife and two children in Augsburg, Germany where he is assigned to the 24th Infantry. While there, he has seen **Bruce Wulf, '61**, stationed in Munich, **Dave Heyman, '61**, in Kitzingen, Germany, **Gary Boyd, '63**, Augsburg, and **Dave Case, '61**, also in Germany.

Following her marriage to Lt. James Allison, **Julia J. Blanc** lived at Taipai and Tseying on Taiwan for two and a half years, but the couple is now at home in Indianapolis, Indiana.

Newlyweds from the class of '61 include **John Hunter** and **Deanna Dilworth, '61**, married in Idaho Falls last fall; **John Larry Worley** and **Roberta Annette Taylor** in Azalea; **Joan Kay Mundigel** and **Gordon Wilmer Yelton** in Portland; **Marlene Lee Reinika** and **James Palekaluhi** also in Portland; and **Byron Mikkelsen** and **Anita Carol von der Hellen, '63** in Carson City, Nevada.

Mr. and Mrs. **George M. Ludwig (Leslie Latimer, '60)** reside in Tacoma, Washington, where George is a salesman with Norcross. They have a boy, 3.

**Roger and Patricia Smith Brassfield** are at home in San Francisco where Roger is an engineer for Tudor Co. and is working on location studies for the San Francisco Bay Area Rapid Transit.

**1st Lt. Dick Seideman** and wife, **Sharron McConnell** make their home at 719 Cypress St., Columbus, Mississippi, where Lt. Seideman is Judge Advocate at Columbus AFB. Sharron is a former P.E. instructor at Walker Junior High School in Salem. They would like to hear from any Beavers in the area.

Mr. and Mrs. **Philip Delucchi (Marcia McLure)** are now back in Salem where Phil is working for the State Parks and Recreation Dept.

## '62

**Meg Blackburn** works in the public relations dept. of Friden, Inc., San Francisco, and writes that she is enjoying the Bay area very much.

**Barbara Ann Smith** was married August 9 in Bend to **Edward Bayliss, '61**. They are living in New Jersey where Mr. Bayliss is employed with Bell Telephone Laboratories. **Joyce Schager** and **Alan Couper** were married August 8 in Corvallis and are at home there while Joyce completes her senior year at OSU and Alan is employed with the city of Corvallis engineering department. **Laura Jean Felbick** became the bride of **Ronald Vaclav, '61**, August 9 in Portland. Deanna May Shirley and **Loren Dale Pankratz** were married in Portland October 11.

Mr. and Mrs. **Richard Palmer Hyslin (Lois Marie Grossen)** are at home in Corvallis following their recent marriage, where Mr. Hyslin will continue graduate studies. **Lt. William Earl Warren** and his bride, **Shirley Jean Schreer** are living in Hawaii where Lt. Warren's submarine is based. **Ensign Michael A. Farmer** and **Nancy Louise Coyner** were married in the United States Naval Academy Chapel at Annapolis, Md. last September and are now at home in the San Francisco Bay area where the bridegroom is stationed. **Roberta Kay Spears** and **J. Kurt Black** exchanged wedding vows in Coos Bay September 28.

**Dr. Laurie G. Houck**, his wife, **Marlene Moore, '58**, and their two daughters are living in Pomona, California, where Dr. Houck works as a plant pathologist for the U.S. Dept. of Agriculture and

also teaches botany classes at California State Polytechnic College. Dr. Houck received his Ph.D. in Botany and Plant Pathology from OSU.

Mr. and Mrs. **Frank T. Churchill (Jean Bowerman, '64)** have moved to San Jose, California, where Frank is employed in research and development at Food Machinery Corporation there. Jean teaches at Saratoga Elementary school, adjacent to San Jose.

## '63

**Richard H. Schweitzer, Jr.** lives with his wife, **Sherrill Manning, '64**, and their newly arrived son, Mark, in Los Angeles, where he is working toward a Ph.D. at UCLA.

Los Angeles Rams quarterback **Terry Baker** married **Marilyn Davis** in Las Vegas August 15. **Frances Hegele Johnson** became the bride of **Steven Kirk Bosley** August 16 in Portland. **Judith Margaret Hauser** and **Harlan Bridenbaugh** were married in Portland August 19 and are at home there. **Leanne Donna Steele** wed **Joseph Cechmanek III** in Portland August 21. **Carol Lee Dickinson** and **K. Victor Koski** were married in Portland August 11. **Joan Leslee Brockman** and **James Taylor Roehm** were married in December in Portland. **Carol Lee Mortensen** and **John David Dukehart** exchanged wedding rings last September and are now at home in Hayward, California. **Anita Joyce Bell** and **Terrance Joseph McDowell** were wed last October in McMinnville. **Carolyn Emily Laizure** became the bride of **Robert August Ballin** in Lake Oswego September 12. Mr. and Mrs. **Merle S. Cox** (Debra Ann Brewer) are at home in Albany, Calif. following their wedding last fall. Lt. and Mrs. **Ross R. Pearson** make their home in San Antonio, Texas, near Kelly AFB. They were married last October. A November bride was **Janet Louise Buckthal** as she married **Jerry M. Miller** in a Portland wedding. Christmas colors accented the marriage of **Janis Lorene McIntosh** and **Philip Keith Nicholas**, who are now at home in Corvallis.

**Joseph W. Maylie** has been in Germany for several months and has met quite a few fellow Beavers there.

New Pan American Airways flight stewardess is **Judith Mary Casciato**, a former education teacher in Portland High Schools.

Mr. and Mrs. **Louis Schmitt (Sally Rohrback)** are living in Walnut Creek, Calif., where Louis is employed as an industrial engineer at U.S. Steel's Pittsburg Plant. Sally is enjoying her kindergarten teaching experiences at a local school district.

**Paul Hudrlik** is in his second year of study at Columbia University, New York. He received his masters degree there last June. Recipient of an NSF Fellowship, he is living at International House.

**Douglas P. Richards** is employed by the Economics Division, Canada Department of Forestry, and lives in Ottawa, Ontario.

Ens. and Mrs. **Bruce Douglas (Kathleen Kennedy)** are stationed in Pearl Harbor, Hawaii where Ens. Douglas serves with the USS Benjamin Stoddert, a new guided missile destroyer.

2nd Lt. **James E. Sehorn** completed the U. S. Air Force survival and special training course at Stead AFB, Nevada, and has been reassigned to Luke AFB, Arizona.

**John R. Kerr**, a professional service representative of Pfizer Laboratories, recently attended a two-week company training session in New York City. The Kerr's are at home in Salem, Oregon.

**Jay and Julie Turner** are in Newark, Delaware, where Jay is with the Engineering Service Division of Du Pont Co., and Julie is taking evening courses toward a Ed.M. degree at the University of Delaware. The Turners have one daughter.

**Norbert K. Keolanui** is employed as a high school teacher at Del Norte County High School,

Class of '60  
Five-Year Reunion  
October 30, 1965



Crescent City, Calif., but plans to return to the OSU campus next summer to continue his education in graduate school.

## '64

**James W. Kelley** is working towards an M.A. degree at the University of Denver in Student Personnel Services in Higher Education. He is participating in a work-study program at D. U.

**Marilyn W. Mack**, a Peace Corps Volunteer, is presently teaching in Ethiopia's secondary schools. Her home is in Klamath Falls, Oregon.

**Vernon H. Parsons** is with the IBM Corporation in Kingston, New York, where he works in the area of Market Development of Information Systems.

**Paul J. Choban** was recently named a mathematics instructor at Southern Connecticut State College in New Haven.

**Ens. David T. McEachen** and **Judi Beauchamp** announced their engagement and plans for a summer wedding. Ens. McEachen is presently serving aboard the USS St. Paul and is based in San Diego, California.

**Merrily Coffyn** and **Gene Woodford** were married in December; as were **Vernon Parsons** and **Kathleen Howell**. Late summer nuptials united Barbara Lee Boozer and **Jack Alan Mitchell**, and Kathleen Adele Dorman and **William Frederick Forrest**.

**Arthur Deardorff** is a graduate student in mechanical engineering at the University of Arizona at Tucson, while **Russell A. Whitman** is working for his Ph.D. at Michigan State.

**Stephen M. Webb**, an employee of the U. S. Air Force, is working in the Production and Distribution Plant of ACIC, where he is engaged in the production of aeronautical charts.

On the military scene, **John A. Rogers**, **Lloyd V. Howard, Jr.**, **Richard S. Hughes**, and **Dennis S. Yamashita** are all recent graduates of Officer Training School at Lackland AFB, Texas; while both **David A. Conley** and **Gary E. Graham** completed their training at Williams AFB, Arizona, where they were awarded pilot's wings. **John E. Roberts** and **David L. Cook** earned their navigator's wings upon graduation from the training program at James Connally AFB, Texas.

**Mike Siddens** and **Patricia Anne "Trish" Dolan** announced their engagement Christmas. A mid-summer wedding is planned. At present, Ens. Siddens is stationed at Pensacola, Florida, where his fellow officers include, **Charles Russell**, **Matt Rode**, **Bruce Magnuson**, **Les Apple**, **Wayne Boatman**, **Robert Gordon**, **Richard Knight** and 2nd Lt. **Bob Baker**, USMCR.

**Dennis Van de Wiel** is stationed at Fort Riley, Kansas, where he serves as Liaison Officer of the Support Command Headquarters and Headquarters Company of the 1st Division.

Mr. and Mrs. **Charles F. Emerick**, (**Myrna J. Rantala**) are at home in Pullman, Washington, where Chuck is in his first year of Veterinary Medicine at Washington State University.

**Diana Fieber**, a student of the University of Oregon Medical Technology program, and **Edwin J. Stastny, Jr.**, an electrical engineering senior at OSU, recently became engaged and plan a fall wedding.

**William Robb McCullough** has been appointed professional service representative for Pfizer Laboratories and will work in the Portland area.

A recent addition to the engineering staff of Rayonier's Grays Harbor Division is **Kenneth H. Henry**, a chemical engineer. He makes his home in Aberdeen, Washington.

**Lynn Kuhner** is a speech therapist in the Edmonds Schools, Edmonds, Washington.

**Ens. Douglas A. Oglesby** attended steam engi-

neering school at San Diego, in preparation for an assignment as main propulsion officer on a destroyer, out of Long Beach, Calif.; while Ens. **John D. King** is assigned to the USS Jerome County, based in San Francisco.

A graduate student at the University of Illinois in Pharmacy, **Maichael S. Musikant** is also serving his residency in hospital pharmacy at the West Side Veterans Administration Hospital in Chicago.

A note from **Kay Bishop** finds her living in San Francisco and working in the executive training program at the Emporium with **Julie Higgins**, **Beth Quelling**, **Jana Vaughn** and **Nancy Hutchinson**, '63.

**Kaye Mushalik** is teaching the 4th grade at Redwood School in Fort Dick, a small community north of her Crescent City home.

**William F. Forrest, Jr.** lives with his wife, Kathleen, in Roseburg, where he is employed by Forest Industries of Dillard.

**James Lee Clark** is working for a bachelor of Landscape Architecture degree at the university of California, Berkeley.

**Klaas Schenk** is with the Peace Corps in Rio de Janeiro where he finds the work both exciting and rewarding. Another volunteer, **Mary Beth Wellman**, trained with Klaas in Milwaukee, Wisconsin, but is now working in Maceio, Alagoas, Brazil.

**James P. Maddox**, an employee of the California Department of Fish and Game, is presently living in Blythe, Calif.

**W. Darwin Myers II** is working for a Ph.D. in Geology at Western Reserve, Cleveland, Ohio, on an NDEA fellowship.

**Dennis H. Wood** and his wife, Sherry, are both attending the University of Maryland, which is in the Washington, D. C. area.

**Lynn Newberg** was recently hired by the Portland Bureau of Parks and Recreation as a recreation director for its year-round staff. She will continue a handicapped children's program which she started this summer for the Park Bureau.

**Gary R. Beckman** is serving with the Peace Corps in India as a secondary school science teacher.

**Constance V. Bowers** is teaching third grade in Mapleton, Oregon.

**Marty J. McFetridge** became Mrs. Charles L. Schippers last December, and resides in Hawthorne, California, where Mr. Schippers is serving with the U.S. Air Force.

Lt. **W. D. Bill Nielsen** and his wife, **Marianne Samuelson**, '63, are living just outside Washington, D. C., while Lt. Nielsen is stationed at Andrews AFB. He is Administrative Officer for Headquarters Squadron there, and Marianne is a secretary in a real estate office in the Maryland suburbs.

**Judy Tower** is attending graduate school at the University of California at Berkeley.

## Deaths

**Lyman R. Vawter**, retired professor of veterinary medicine at OSU died in a local hospital January 30, 1965, following an extended illness.

He came to Corvallis in 1951 and was in charge of the animal diagnostic laboratory until his retirement in 1960. During his career he had authored or co-authored textbooks on diseases of cattle and about 35 journal papers and station bulletins.

Besides his widow, Margaret, he is survived by a son and daughter, and twelve grandchildren.

**John Jay Clark**, '07, died July 2, 1964, in Spokane, Washington. No details are known.

**Dr. Ernest Van Court Vaughn**, retired head of the History Department at OSU died February 7, 1965, following an extended illness.

The Vaughns had lived in Milwaukie, Oregon the past seven years, where his wife, **Lottie Milam**, '14, survives him.

**Earl Clark Wiley**, '18, professor emeritus of mechanical engineering at OSU died February 16, 1965, in a Corvallis hospital. He had been a member of the OSU staff since 1922 and was an expert in the field of heating and ventilating. Summers he engaged in private consulting work in this field, and also co-authored a text on engineering drawing.

Survivors include his wife, Ruby, one daughter and three grandchildren.

**Max LaMotte Alford**, '24, died October 28, 1964. Prior to his death, he was Captain of State Police Department, Salem, Oregon. He is survived by his wife, Helena, and one daughter.

Mrs. W. A. Van Buskirk (**Claudina Leep**, '25) died in Klamath Falls, Oregon on December 19, 1964. No further information is available.

**Harold Edwin Parmenter**, '25, died of a heart attack January 3, 1965. He was chief of the dispatching and operations branch for the CRSP Office, Bureau of Reclamation at the time of his death.

During his service at Coulee Dam, he was given a special citation and the Department of the Interior's highest award, the Distinguished Service Award, for his part in closing a valve which was threatening the entire structure.

Survivors include his wife, Versa, a daughter and son, and three grandchildren.

**Thelma Chase Mercer**, '26, died at her home in Salem, January 8, 1965, after a long illness. Besides her husband, Robert, she is survived by a son.

**Jack Nasbit Brewer**, '29, is reportedly deceased. No details are known.

**Paulene Scott Cover**, '34, died January 27, 1965 in Milwaukie. She served with the U.S. Coast Guard during World War II, and was active in Portland Women's Army, Navy and Air Force League at the time of her death.

Survivors include the widower, Col. Carl H. and a daughter.

**Harriet Bramble Walker**, '37, died February 5, 1965, in a Portland hospital. Prior to her death she was a psychological examiner for Portland Public Schools and had earlier worked for the Portland Guidance Clinic.

**Leonard William Andrus**, '39, died December 25, 1964. He was formerly a salesman with office equipment companies in Southern California, and lived in Sacramento.

His father, L. A. Andrus, and one brother survive him.

**Jean Elizabeth Rainsford Chaffin**, '46, died in January, 1965. Survivors include her husband, Lea, and three children.

**Alva Everett Williams**, '50, died of a stroke March 29, 1964.

**Dr. Lawrence Arthur Alban**, '50, OSU soils professor died of a brain tumor February 1, 1965, while on a foreign assignment in Syria.

A member of the OSU faculty since 1952, Dr. Alban had worked on some 15 different research projects and was author of more than 25 technical publications. He went to Syria in September, 1963, on an agricultural development assignment with Ford Foundation.

Survivors include the widow, Ruth, and a son, Richard.

**Marlene Grassens Esselstein**, '60, was killed in an automobile accident February 16, 1965, in Hawaii. Her husband, Capt. William Esselstein and a daughter survive her.



# A Scholarship Memorial

LT. (j.g.) LAWRENCE SEWARD BOWLER, '60, aged 25, was presumed dead after his jet fighter exploded over the Atlantic Ocean on December 29, 1964. He was what is referred to as "a late bloomer." He was graduated from Westchester high school in Los Angeles in 1956 and two years later made it through Menlo Junior College. He then entered Oregon State. But, "he just couldn't find himself," according to his father, Gordon E. Bowler, a Los Altos Hills city councilman. "He majored in wine, women and song."

At OSU young Bowler had enough credits for a degree in business administration in the spring of 1960, but an academic requirements committee ruled he "had not shown enough definiteness of purpose."

The following winter his degree was so certain that he was accepted for Naval Officers Candidate School. Later he learned it had again fallen through, but he remained in the officer program and was commissioned as an ensign.

"I want to be a radar intercept officer on a Phantom II," young Bowler said during a Naval interview. He wanted to fly the Phantom because it was the Navy's best.

At basic training in the Naval Air Station at Pensacola, Fla., Lt. Bowler began to find himself. He was 10th in a class of 40. He joined 10 other men at radar intercept school. He placed third.

In his flight training courses, he placed number one, and in the process accumulated twice the number of flying hours as did the second man. He was ready to fly the Phantom because it was the Navy's best. Now he wanted to fly from the nuclear carrier Enterprise, because it was also the Navy's best.

There was one spot for a radar intercept officer with the air group aboard the Enterprise in 1963. That spot went to Lt. Bowler. He took two cruises to the Mediterranean Sea. In 1964 he went on the historic cruise of the nuclear task force around the world.

One of Lt. Bowler's jobs as flight officer at Oceana Naval Air Station, where his squadron was temporarily based, was to make out the duty roster. He never let two junior officers fly together. Because he was the senior radar intercept officer he assigned himself to accompany junior officer, Ens. Glenn E. Usher, on the fatal windy, rainy night of Dec. 29.

At 7:40 p.m., while flying at 5,000 feet elevation 18 miles off the Virginia coast, Lt. Bowler's aircraft suddenly exploded. Pieces of jagged metal and burned seats were all that was picked up by rescue boats. "Lawrence found in the Navy the challenge which brought out his considerable talents," his father wrote in a letter to OSU President James H. Jensen, offering a memorial scholarship. "For four years he served brilliantly and unstintingly and in the end gave his life in the line of duty."

The Lawrence Seward Bowler Scholarship will have no restrictions. How the recipients will be selected, the senior Bowler said, has yet to be determined. But, it will be a scholarship to help "late bloomers" find themselves.



# Spring Sports Schedules

## BASEBALL

Mar. 22	Arizona (Tucson)
23	Arizona (Tucson)
24	Arizona (Tucson)
25	Arizona State (Tempe)
26	Arizona State (Tempe)
27	Arizona State (Tempe)
Apr. 1	Portland
2	Linfield (McMinnville)
3	Linfield
5	Willamette
6	Lewis & Clark (Portland)
7	Portland (Portland)
8	Pacific
9	Portland State (Portland)
10	Portland State
16	Oregon
17	Oregon (Eugene)
20	Willamette (Salem)
23	Washington State (Pullman)
24	Washington State (Pullman)
30	Washington
May 1	Washington
7	Washington State
8	Washington State
14	Washington (Seattle)
15	Washington (Seattle)
21	Oregon (Eugene)
22	Oregon

## GOLF

Apr. 2	Linfield
3	Corvallis Country Club & OSU Rooks
5	Washington & Oregon (Eugene)
6	Washington & Oregon
9	OSU Rooks
13	Willamette
15	Portland State (Portland)
16	Seattle (Seattle)
17	Ft. Lewis (Ft. Lewis)
23	Linfield & Whimian (Bayou)
30	Oregon & Seattle (Eugene)
May 4	British Columbia & OSU Rooks
7	Oregon College of Education (Ilalhe)
8	Ft. Lewis
11	Portland State
14	AAWU Tourney (Palm Springs)
15	AAWU Tourney (Palm Springs)
Jun. 14	NCAA (Ft. Knox, Tenn.)
15	NCAA (Ft. Knox, Tenn.)

## TENNIS

Mar. 22	Arizona (Tucson)
23	Arizona (Tucson)
24	Arizona (Tucson)
25	Arizona State (Tempe)
26	Arizona State (Tempe)
27	Arizona State (Tempe)
Apr. 2	Portland
7	Pacific
9	Seattle
14	Willamette
15	Portland (Portland)
21	Oregon (Salem)
23	Washington
24	Seattle
27	Pacific (Forest Grove)
29	Whitworth (Spokane)
30	Washington State (Pullman)
May 1	Idaho (Moscow)
4	Lewis & Clark
5	Willamette (Salem)
6	Southern Oregon College
8	Stanford
14	AAWU Tourney (Los Angeles)
15	AAWU Tourney (Los Angeles)
21	Oregon (Eugene)
22	Oregon

## TRACK

Mar. 20	Lewis & Clark and Portland State
27	Easter Relays (Santa Barbara)
Apr. 3	Washington State
10	California (Berkeley)
17	Washington (Seattle)
May 1	Oregon
8	West Coast Relays (Fresno)
15	Northern Division Championships (Eugene)
21	AAWU Championships (Pullman)
22	AAWU Championships (Pullman)
29	California Relays (Modesto)
31	Oregon (Eugene)
Jun. 17	NCAA (Berkeley)
18	NCAA (Berkeley)
19	NCAA (Berkeley)