

DR. EDWIN ARTHUR YUNKER

# *The* OREGON STATER

NOVEMBER 1950



## BATTLESHIP EXAMPLE

Your interesting delineation on page six of the last Oregon Stater asks for suggestions. Here is one.

This is prompted by a recollection a good many years ago as to what the city of Portland should do with the old Battleship Oregon. Lots of things were done and undone but finally the proud old Battleship Oregon was condensed. Finally, and in conclusion, a small part of it . . . I believe the bridge and mast . . . was salvaged and placed on a memorial marker on the west bank of the Willamette River. To have preserved the entire ship would have entailed guards and upkeep at a good many thousands of dollars a year and there was no such money available. There was great moaning and groaning and a very decided difference of public opinion as to what should be done.

After it was done the opposition hushed their clamor, and there have been no wails nor moans evident in a great many years.

The bandstand was a creditable, practical and worthy project in its day; but it is now impending progress, is sadly outmoded, out dated and serves no worthy purpose other than to refresh the loyal memories of a limited number of four classes originally participating. Whatever you do will be wrong in the eyes of a lot of people. You can gamble on that. If you do nothing that will be even more wrong, and you can likewise count upon that. Therefore why not follow the pattern of the disposition of the venerable old battleship Oregon, and take the dome, a few pillars or what have you and enshrine same upon some convenient and practical campus location, with a proper plaque still honoring the classes of 1908, 1909, 1910, and 1912.

Build it around the 1911 flagpole if you want to. Being of the 1911 vintage . . . I have three or four dollars voice coming in this.

Maurie Smead, '11  
Portland

\* \* \*

## TAKES PRIDE

Mr. Hollenberg and I enjoyed our much too brief visit on the campus. In order to keep in closer touch with school activities we have decided to take a life membership in the association.

After visiting most of the other state colleges in our country we have decided that we were justified in our feeling of pride as we viewed our Alma Mater and sensed its vitality and beauty.

Mrs. Ruth Moreland Hollenberg, '29  
Arlington, Va.

## CONGRATULATIONS!

Eds Note: Here is a good sample of Booster spirit! Letter written to Spec Keene, director of athletics.

Believe me, brother, you've bought yourself a "Beaver Booster" for keeps. Man, oh man, what a hair-raising heart-breaking game that was Saturday (Michigan State game) and how those kids poured on the coal. It was no place for fans with weak hearts.

Because I want a larger block of stock in a gang like that, I am enclosing my check for an additional amount, over and above my original Beaver Club Member-yourself, and one of the greatest aggregations of fighting football talent I've ever seen.

Ray McKinnie  
Booster  
Salem

\* \* \*

## REPAIR BANDSTAND

Please accept my appreciation for the recognition given me in the October issue of the Oregon Stater.

You will be surprised, I am sure, to know that the paragraph on one of the Oregon State's ten presidents, H. R. Miller, in the article written by Delmer Goode, was my father. It was certainly a coincidence that our names both appeared in the same issue. In his and my mother's memory, my sister, my brother and I presented to the College a large Chinese mirror with an inlaid mother of pearl border, which is now in the Horner Museum.

After leaving the College my father was for many years in the Government Consular service in China, Manchuria, Japan and Ireland. They brought back many works of art and personally I always liked the above mentioned mirror best of all.

Just a few comments on the change and make-up of the Oregon Stater. The cover picture of Professor Dimick is certainly a most natural and striking likeness. I like your Faculty News comments. So many are retiring and taking foreign assignments etc. that it is most interesting to keep track of them. The picture of the football team on page 28 is also very interesting to me. I can recognize many of the faces, but the most outstanding one is Pap Hayseed, who was one of the greatest football players of his time. The picture of the military drill on the old campus forming the letters OAC with the band out in front, also brings back memories to me. Although I was a pretty small boy I played a cornet in the band. I wish that I might make some constructive suggestion regarding the Band Stand, as band music still remains a favorite with me. It would seem that it should be kept in a state of good repair for some time at least, and I sincerely hope that some of Cap Beard's many friends will come up with some practical suggestions.

Kenneth C. Miller, '97  
Portland

## Cover Personality

When Edwin Arthur Yunker was graduated from Gresham Union high school in 1918 he obtained a job for one year as a mechanic in a garage prior to entering Oregon State College.

It was during this time that he noticed the garagemen kept throwing away relatively good parts of old Model T Fords. So bit by bit Ed Yunker carried the parts home on his motorcycle and assembled his first car in the back yard.

He used that first auto for nearly a year and then sold it for \$450. With the money he put himself through the first year of college at Oregon State. "It wasn't a bad car, either," Dr. Yunker reminisced recently.

With an ingeniousness and ability like that it was no wonder that Dr. Edwin Arthur Yunker achieved his position and reputation.

He was an undergraduate at OSC until 1923, majoring in mechanical engineering at that time because there was no major in physics. So he attended the University of California his senior year, receiving his BA degree in physics, and then returned to Oregon State in 1925 as an instructor.

Dr. Yunker received his masters degree from the University of Wisconsin in 1930 and in 1940 acquired his Ph.D. in physics from Stanford.

Again he returned to OSC to teach and just before the war, in 1941, was sent to Massachusetts Institute of Technology by the government for a course in micro-wave physics. That was during the crucial time that micro-wave radar was being developed. Dr. Yunker then returned to OSC to organize a training program in micro-wave techniques.

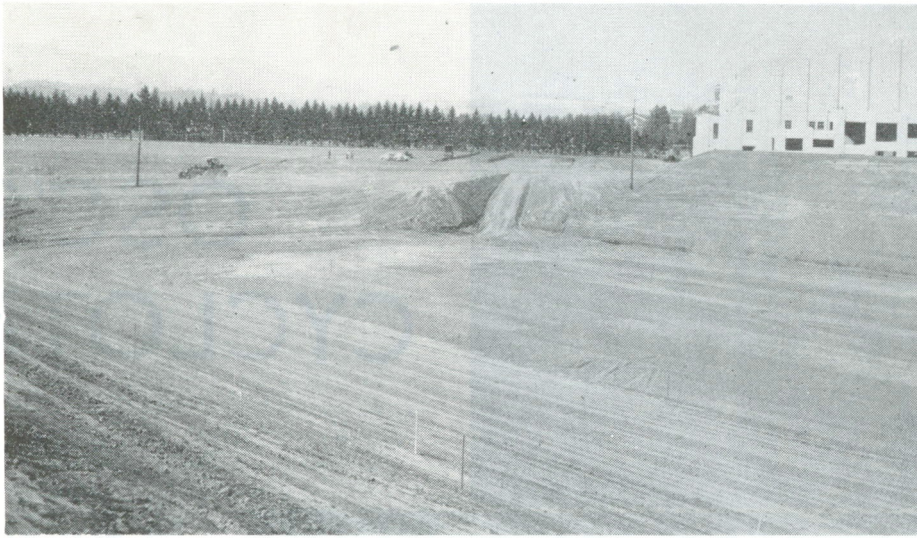
In 1942 he took leave of absence from the College to become head of the transmitter division of the radio research laboratory at Harvard University. This was the radar counter-measure laboratory established to develop devices and techniques for combatting enemy radar. Dr. Yunker remained on for a time after the end of the war in order to collaborate with other scientists in writing several books on the work of the laboratory.

After the war, Dr. Yunker again returned to Oregon State where he became the chairman of the department of physics in 1949. And it was soon after the wars end that he was awarded an Army-Navy citation for his outstanding contribution to World War II in scientific research and development.

He is chairman of the committee on the OSC cyclotron project, is a member of the graduate council and the faculty council, and is in charge of an Air Force sponsored research project in the department of physics. He is a member of the American Physical Society, Institute of Radio Engineers, American Association of Physics Teachers, American Association for the Advancement of Science, American Radio Relay League (Amateur radio call W7EZZL), Sigma Xi, Phi Kappa Phi, Sigma Pi Sigma and Eta Kappa Nu.

Dr. Yunker married Oregon Stater, class of 1927, Gertrude Harry, and they have two children, Elaine, senior at OSC and a son Wayne, senior at Corvallis high school.

Every Oregon county, 36 of the 48 states and 33 foreign countries were represented last year at State, according to the registrar's office.



A partial view of the stadium in October. Under construction now is drain system.

# THE STADIUM STORY

**O**REGON STATE COLLEGE alumni stand on the threshold of completing the first phase of their stadium project.

If by April 1, when the contract for the construction of seats will be let, an additional sum of \$60,000 is secured then the first phase will be officially complete and Oregon Staters will be assured of seeing the Beavers once again on their home field.

It was requested by the stadium executive committee that all pledges actually due by April 1 should be paid up by that time. If these pledges are met then seat construction may take place and the first game played next fall.

In this phase of stadium fund drive the people of Corvallis are contemplating a final campaign. Whatever sum is raised then an alumnus, who wishes to remain anonymous, will contribute an equal amount.

For Oregon State alumni everywhere here is the background on the stadium drive with the latest plans.

The stadium idea began in 1948 after President Strand, Athletic Director Spec Keene, Charles Parker, and other enthusiastic alumni realized that old Bell Field would soon have to be replaced. State money could not be used in the construction because the bonding power of the institution had been used up during the building of Sackett Hall and Gill Coliseum. It might be noted that perhaps in later years money, saved by Oregon voters recently pass-

ing a lower interest rate on these building bonds, could be used in final completion of the OSC stadium. But for the present contributions from Oregon State alumni constitute the only source of money.

In 1948-49 the alumni association board of directors voted to take on the stadium project. The following year the Stadium Executive Committee was formed and made responsible in conducting a campaign. Charles Parker was chairman, Lynn Sabin, vice chairman. Other members were Loyd Carter, Irene Carl, Art Lowe, Bob Thompson, Fred Hill, Joe Dyer, Charles Reynolds, and Jim Jenks.

During the next year, 1949-50, the American City Bureau was employed and that organization conducted a one-year campaign with a counselor in Corvallis and then later in Portland. All alumni in Oregon and the major cities on the West Coast were then contacted and asked to give to the program.

The following year of 1950-51 OSC alumnus Warren Reid took over as fund drive director. He held this post for 1½ years. Since Reid's resignation of this post and acceptance of another position in Ohio the fund raising has been carried on by volunteers with printed material and details handled through the alumni office.

As of now there is \$340,000 available for work of the first phase. Of this amount \$100,000 was raised in Corvallis, \$140,000 from Portland area, and the remaining

\$100,000 collected from alumni throughout the State and nation.

As to the stadium planning. The site of the stadium was a matter of conjecture in the beginning. Some thought the stadium should be built in a natural bowl a short distance from Corvallis. But further investigation of costs of roads and improvements plus acquiring of land made this infeasible. Besides, the College had land available near the coliseum where parking and other facilities could be obtained and so the present site south of Gill coliseum was acquired.

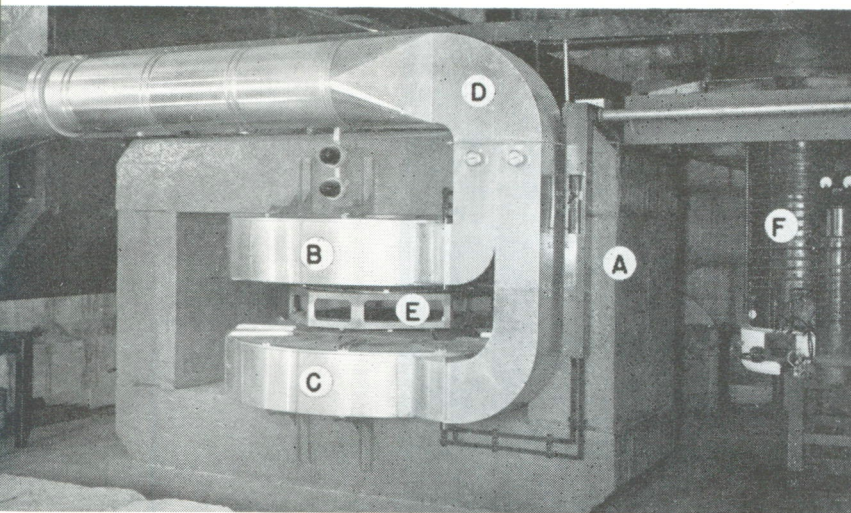
In 1950-51 the state board of higher education hired Moffatt, Nichol and Taylor engineers of Portland to begin preliminary engineering work. By the end of 1951 it became apparent that the money for a complete stadium seating 30,000 would be impossible to raise and so plans were drawn to eliminate the roof and to make the seating capacity of the first phase in the neighborhood of 25,000.

And so in late August of this year the excavation contract was let and 55,000 cubic yards of dirt was scooped out and placed on the sides. In late October work began on the field drainage, pumps, and sprinkler system for the field.

The stadium's other statistics are interesting to help alumni form a picture of the completed first phase.

The middle of the playing field will be 212  
(Continued on page 18)

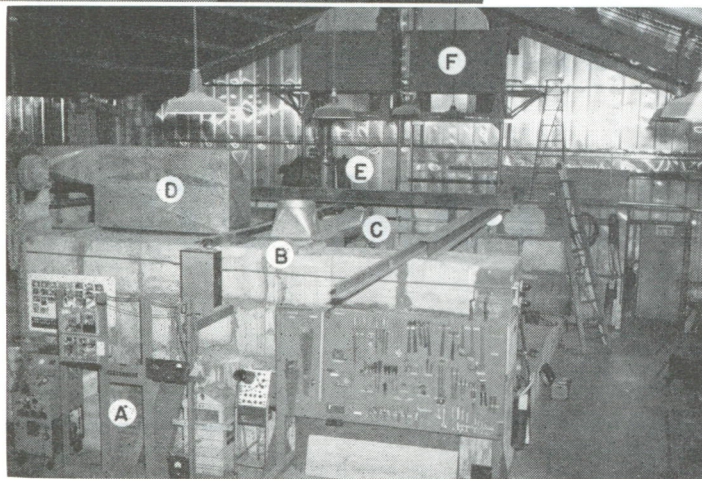
## CAN WE RAISE \$60,000 FOR THE STADIUM BY APRIL 1?



A Report On

# OSC'S CYCLOTRON

*by Dr. E. A. Yunker*  
Chairman, Dept. of Physics



(Top)—Yoke of magnet. Total weight of steel 50 tons. B. C.—Housing over magnet coils for air cooling. Magnet coils contain six tons of one inch by  $\frac{1}{4}$  inch copper ribbon. D.—Duct for carrying air from magnet coils. E.—Skeleton of vacuum tank which will house the dees. F.—20 inch diffusion pump for producing high vacuum within vacuum tank.

(Bottom). A.—Racks for supporting control panels. B.—Concrete wall for shielding against radiation. C.—Air Duct leading from magnet coils. Cyclotron is below this point and back of concrete wall (B). D.—Air Filter for magnet cooling system. E.—Vacuum valve at top of vacuum pump. F.—Heat exchanger for water cooling of oscillator and dees.

WE ARE OFTEN asked "What is a cyclotron?" and "Why does Oregon State need one?"

A cyclotron is a device for accelerating to very high speeds, charged atomic particles such as protons and deuterons. It differs from the single-impulse high-voltage accelerators, such as Van de Graaff generator, in which the particle receives terminal speed in the electric field between a single pair of high voltage electrodes, and the linear accelerator in which the particle is accelerated by a number of impulses as it moves in a straight line, in that the particle in a cyclotron is caused to move in an approximately spiral path while receiving a succession of impulses.

The heart of the cyclotron is the dee system which consists of a pair of electrodes, usually shaped like a shallow metal pill box with the cover in place, which has been cut in half along a diameter and the two halves slightly separated. The two dees are mounted between the poles of an electromagnet, somewhat

larger in diameter than the dees, so that the direction of the field is along the axis of the "pill box" or normal to the faces of the dees. In the OSC cyclotron the magnet pole faces are 39 inches in diameter, the dees 32 inches and the field strength 14,000 gauss.

A high frequency alternating voltage, produced by a vacuum tube oscillator, is applied between the dees of the cyclotron so as to produce an electric field in the gap between the dees. It is in this gap that the charged particles are accelerated in speed. Suppose for example that deuterons (nuclei of heavy hydrogen atom; single positive electronic charge) are produced in the gap between the two dees, slightly off center, by means of an electric arc in deuterium, or heavy hydrogen. Suppose also that the frequency of the oscillator is 10 megacycles per second and that it produces 50,000 volts between the dees. Thus during a time less than one ten millionth of a second one dee, number one, is negative and the other, number two is positive. The deuter-

on in the gap would be accelerated toward dee number one and into the field-free space inside where it would follow a semicircular path because of the force at right angles to its motion. This force results from the interaction of the magnetic field of the cyclotron with that produced by the moving charged particle.

If the strength of the magnetic field is properly related to the frequency of the oscillator, the deuteron will emerge from the interior of dee number one into the gap between the dees when the dee voltage is near its maximum value with the number one positive and number two negative. The deuteron would then receive a second acceleration, this time toward dee number two and would again move along a semicircular path but, because of its higher velocity, with a larger radius than it had inside of the number one dee thus "spiraling" outward, with a gradually increasing radius.

If the voltage between the dees at the time of transit of the particle across the space from dee to dee is say 50,000 volts the speed of the particle acquired during the two transits made in one cycle would be equivalent to that caused by a transit across a gap between two electrodes at 100,000 volts. It would then have an energy of 100,000 electron volts. After the second curved path inside of the number two dee, the particle will again emerge into the dee gap where it will be accelerated toward dee number one by the electric field which has again reversed while the particle was inside the second dee. After the deuteron has made say 100 revolutions around the spiral, and arrived near the outer radius of the dee system it will, in most cyclotrons, be pulled tangentially out of the spiral by a deflector to produce, with other similarly accelerated particles, a high energy beam. If, in the example, each transit across the gap between the dees results in an increase of 50,000 electron volts to the particle, and 100 revolutions are made, the particle would emerge in the beam with a total, or final, energy of 10,000,000 electron volts or 10 Mev.

(Continued on pages 10, 11)

## CYCLOTRON TO MAKE RESEARCH AND TRAINING POSSIBLE



From

# OREGON STATE COLLEGE

By FRED SHIDELER

**N**O ONE seems to have any clear-cut explanation of the reasons, but the fact remains that Oregon State's enrollment this fall has passed by a considerable number the estimates of all the college "experts".

With a total of 4911 students, the enrollment is fewer than a hundred under that of a year ago when the figure just squeezed past the 5000 mark. The most optimistic estimates had been 4800—and they dipped as low as 4500.

A 20 percent increase in the freshman class, of course, is what brought the total up. The 262 more freshmen this year than a year ago account for the difference between the estimates and the final figure. This year—and possibly next—had been expected to be at the bottom of the trough enrollment-wise, but from here on out, educational prognosticators warn, look out for the rush.

## Large Rook Class

College officials are heartened by the large freshman class of 1544 because it naturally will mean larger junior and senior classes in two or three years to go with bulging rook classes in 1954 and 1955.

Engineering forged ahead this term as OSC's largest school from the standpoint of students, after giving a slight edge to business and technology last fall. Forestry and home economics also showed good increases. The figures by schools are engineering 841, agriculture 781, business and technology 760, science 688, education 480, home economics 434, lower division of liberal arts 433, forestry 284, pharmacy 175 and others 35. There are 421 in the graduate school.

Enrollment of veterans has fallen sharply, as expected, since much of the GI time has run out and the new Korean veterans have not yet started in great numbers. Vets this term total 583, a 39 percent drop over a year ago and a far cry from the 4500 plus about five years ago. Only 60 of the vets are on the new Korean GI bill.

## More World Interest

The first International Center in the northwest was established this fall at Oregon State, again emphasizing the growing interest the college and the student body in general have in our many students from all parts of the world.

The Center occupies the former Alpha Gamma Rho fraternity at Monroe and Park Terrace, which the college bought when the AGR's moved into their spacious new home on 26th street.

The International Center will be a self-sustaining living unit for between 20 and 30 international students. But more important, according to Dr. Austin F. Walter, counselor to foreign students, it will provide a rallying point for meetings, firesides, and social and cultural activities for both American and foreign students. Five different countries are

represented in the Center's new officers. They will help guide the program involving students here this year from more than 30 nations.

A few odds and ends from the campus:

Last June's class of 204 graduating engineers averaged five interviews each for jobs. Fifty-one private companies and 11 federal agencies came to the campus to bid for their services, and many of them are back already this fall although graduation is eight months away . . . Twenty officials and faculty members of Clemson Agricultural college in South Carolina flew into Corvallis early in October to look over OSC's agricultural setup, especially new Withycombe hall and the food tech building.

Dr. John M. Swarthout, head of political science, is co-author with Dr. Ernest R. Bartley, formerly of OSC and now of the University of Florida, of a new book of readings on American national government, published by the Oxford University Press . . . Oregon State college was represented at the

installation of the first chancellor of the newly-established Australian National university at Canberra late in October by Dr. Fred F. McKenzie, head of the animal husbandry department who is on leave as a Fulbright scholar in Australia.

Hans Hellmut von Lindenfels is the first life member of the OSC Dads club from Germany. His daughter, Caroline, was a special home economics student under a state department grant last spring . . . Twelve Yugoslavian farm experts spent a few days in October on the campus as part of a two-week study of seed, forage and pasture production. James C. Moore, extension conservation specialist, was in charge of their Oregon tour . . . Ten young men and women teachers from Germany are spending the fall and part of the winter term on the OSC campus under the direction of Dr. F. R. Zeran, dean of education. They are here on a state department program.

(Continued on page 17)



Dr. D. T. Ordeman, OSC registrar, goes over courses with Jo, Anne, and Jere Barry.

Final touch to one of Oregon's proudest family educational records has come at Oregon State college this fall with the registration of the 9th child of the M. P. J. Barry family of Lakeview.

Lastest Barry to become an Oregon Stater is 18-year-old Jere, who is majoring in agriculture. His older sister, Jo, a sophomore in physical education, is also attending OSC and another sister, Anne, will be back spring term to graduate in education after completing requirements for her elementary teaching cer-

tificate at the Oregon College of Education in Monmouth.

The oldest member of the family, Catherine, started the September trip to Corvallis in 1934, the year Jere was born. Philip came two years later followed by Eileene in 1938; Ellen, 1942; Julia, 1943; William, 1947; and Anne, Jo and Jere.

Only two of the 11 Barry children have missed OSC. John stayed home to care for the big family ranch and Agnes went to the University of Oregon.



# Student Views on Campus News

By Lucille Davis, '53,

The battle-cry at Oregon State these days is "We Go Pogo." The whole campus has taken to heart the little swampland possum who announces amidst hammers and saws that, "A platform oughta be big enuff fer the whole party." His campaign progresses daily under the watchful eyes of many Staters on the pages of the *Barometer*. Those persons on the inside say there is a supply of "I Go Pogo" campaign buttons waiting for a propitious time to appear. The buttons, believe it or not, are distributed from an official "Pogo for President" office in New York which will also supply those interested in Pogotics with Pogo-sticks.

A nationally famous artist, Carl Hall, who is on the staff at Willamette University exhibited a collection of drawings and water colors in the Memorial Union main concourse recently. Hall was recognized nationally two years ago when he was selected by the American Academy of Arts and Letters for the award given to the outstanding artists of the year. Life magazine has also featured Hall's work.

Woody Herman brought his "Caravan of Stars" to the OSC Coliseum this month for a concert. His present band, organized in 1950, feature Dinah Washington, Negro blues and ballad song stylist and Harold "Rhythm" King, roller skating star. Other vocalists and a comedian filled out the two hours of top-flight entertainment. Billed as the "Boy Wonder of the Clarinet" in a vaudeville show at the age of nine, Herman has been in show business since then, some 30 years.

## Many Queens Chosen

Beauty contests are holding the spotlight on the Beaver campus right now. Currently, beauties are being chosen to represent Little Colonel for the Military ball, the Homecoming Queen, and the Sweetheart of Sigma Chi. This year's Homecoming Queen will not be chosen from the freshman class as she has been for the past several years. Instead, each living group on campus, both men's and women's, nominated a coed candidate. From this group of hopefuls, one girl will be chosen to represent OSC at Homecoming and also to act as hostess for other College functions during the year.

Five faculty members will take part in the annual Engineers' Bust this year as a band consisting of tuba, bass fiddle, piano, violin, and piccolo. This doesn't sound too bad in itself, but plans also include each individual playing whatever he wants to when he wants to. I'll bet Spike Jones would be worried if he only knew what competition awaits him.

The Red Cross bloodmobile is making a two-day visit to the Oregon State campus this month. The quota has been set at 700 pints. As yet, only about one-half that number of pledge cards have been returned. With

one more day to go, we hope to see the mark shoot up over the top.

## Faculty Sold

Chairmen of the Campus Chest drive this year really thought up an effective way of getting donations. The contribution quota was set at one dollar per person. Living groups had an opportunity to bid by the percentage of their quota accomplished at an auction where faculty members were the merchandise. Several faculty members agreed to lend their services—acting as house boys, entertaining, teaching pledges the social graces—to the winning living organization for one night. The dean of men was bought for 150 per cent, the College president was nabbed off the auction block for 132 per cent, the assistant dean of women went for 143 per cent, the dean of business and technology brought 130 per cent, and two houses contributed 115.5 per cent each to share an athletic trainer. These percentages are helping to add the fund to record-breaking heights. In the middle of the quad is a cardboard train consisting of 30 cars, each representing a living group that has turned in a contribution of 100 per cent or more.

Many distinguished guests and speakers are visiting the campus now during Religious Embassy week. Points of view of all religions common to America have been presented in the various discussions included in the week-long program.

Actual registration figures topped the expected total at OSC this fall. The final mark fell somewhere above 4900 students. 1543 of

the number represents the brand-new class of '56. The sophomore class is next in size with 1501 members, then come the seniors with 950, and finally the junior class of 494 members. This year's graduate school includes 413 students. Men still outnumber women; this year the ratio is 2½ to one.

## Gals Change Dress

After all these years, the campus has finally come to agreement that women students need not dress up for Portland football games. It has taken a long time to decide that campus dress was appropriate for these games. Now that the ruling is in effect, you don't hear any more discussions. Apparently everyone is happy with the situation—I know the women are. Having four games in Portland this season is what helped to bring the decision out this year, I believe.

Fall term rushing set an all-time record for the number of pledges taken by fraternities during the first rush period. This year's number of pledges, 465, topped the previous record of 1950 when OSC's 30 fraternities pledged 333 men. Last year's mark was slightly lower, 327. Climaxing the week of sorority rushing, the 16 women's houses pledged 256 co-eds. This number was slightly higher than last year's figure, 250.

Waldo hall, oldest women's dormitory on the campus, had a little re-vamping done to its social rooms located on the second floor. Efforts to bring the lounge up to date included not only redecorating, painting, and papering, but also plastering and patching. An Oregon State home economics graduate with the class of '39 directed the work. Hardly one part of the campus has been left untouched by the recent building and remodeling wave. Alums visiting Corvallis for Homecoming have a pleasant surprise awaiting them with their first view of the refurbished campus.

Something new has also been added to the Beaver book room in the library. The record collection from the music department has been moved into the library and six turntables, each with two sets of earphones, have been installed on one of the back tables. Students who wish to listen to music may make their selections from over 500 records included in the collection. The selections consist of classical pieces and some Shakespeare plays.

## Mortar Board

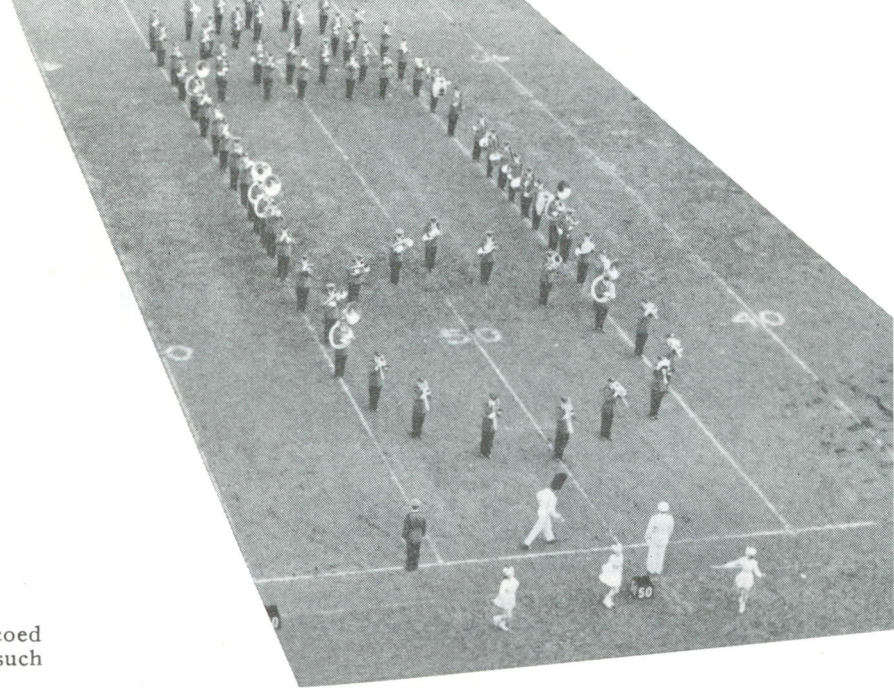
Mortar Board alumnae returning for Homecoming will be entertained at a breakfast Sunday morning from 9:30 to 11 a.m. in the Memorial Union Council room. The breakfast is an annual affair given by the collegiate Mortar Board. Audrey Daum is general chairman.



OSCar says: I'll be at Homecoming. Will you?

## Grid Dates

OSC 14, Utah 7  
OSC 14, Mich. State 17  
OSC 28, Stanford 41  
OSC 6, USC 28  
OSC 20, WSC 33  
Nov. 1 Washington at Portland  
Nov. 8 UCLA at Los Angeles  
Nov. 15 Idaho at Corvallis.  
Nov. 22 Oregon at Portland



The Beaver band forming a safety pin in depicting life of a coed from "safety pin to safety pin". Halftime entertainment such as this takes many hours of preparation.

# OSC'S MELODY MARCHERS

**N**EXT TIME you see the fast-stepping Oregon State band out in the field during halftime you might well appreciate all the work that goes into making a few minutes of colorful pagentry.

OSC's marching band, 85 strong not counting three shapely drum majorettes, have their hands full during the beginning of fall term. To begin with, Bandmaster Ted Mesang has to indoctrinate a large batch of freshmen into the intricacies of his outfit. At first they just learned a few tunes they could play while stepping down the field but now more ingenious halftime entertainment can be worked out.

Oregon State's band has a snappy outlook on life what with doing 160 steps a minute. If you stop to consider that military step is

120 then you'll understand the speed in which the bandsmen march. With their white-gloved hands working in unison, their black trousers with Orange stripes, orange suit coat and orange hat, the bandsmen look pretty sharp.

Bandmaster Mesang picked up his marching techniques from the Midwest and applied it to Oregon State's band when he came here in 1949. And there has been much notice of the Beaver music outfit throughout the Northwest.

Mesang says his group steps off 160 counts a minute for two reasons: (1) a fast-moving band looks good and (2) more things can be accomplished in less time.

The band practices three times a week and much thought and preparation goes into a typical Saturday afternoon performance. Mesang estimates that over 20 hours are spent in simply working out details of one show.

Each band member is given mimeographed sheets of paper showing his number and his position on the field. In this way by studying the diagrams he may move easily

and surely to his next position in a new formation. Mesang writes out the music that is to be played during the whole halftime festivities on one sheet and then has many photostatic copies made. In this way band members don't have to fumble around with sheet music while busily engaged in marching and entering formations.

The band usually takes one trip a year during the football season. Last year they went to Seattle but this fall they'll make only the Portland excursion. Mesang stated that trips such as these do much to make the morale of any band organization and much interest is shown by students when they know they'll get a little fun out of all their work.

College bands are getting to be big business and football fans expect an entertaining show during halftime. But Oregon State, even without a major school in music, turns out snappy, colorful bands. This is a tribute to the hard work of Ted Mesang, the students, the backing of the school and the alumni.



**Bandmaster Ted Mesang Brought Oregon State's Band  
A Fast Marching Tempo and a Wonderful Reputation**



Sophomore Quarterback Jim Withrow possesses a good passing arm and cool leadership on the field.

## Up and Down Beaver Gridders Boast Spirit But Lack Overall Depth to Whip Top Team

WHEN FOOTBALL practice started at Oregon State this fall, Kip Taylor told everyone he was sure of one thing—the 1952 Beavers would play colorful, interesting football. The Orange headman didn't care to go out on a limb, regarding wins and losses, but still insisted his kids would be fun to watch every Saturday afternoon.

As we go to press—after the Beavers have completed three games—it begins to look as though the Kipper was a first class prophet. His boys whipped Utah, while losing to Michigan State and Stanford, and had loyal Orange backers on the edge of their seats in every contest.

Take, for instance, the opener with Utah at Salt Lake City. Oregon State waltzed to a pair of quick touchdowns in the first quarter. It looked like another rout was in store, similar to the 61-28 Utah slaughter a year ago. But noisiree. The Redskins bounced back for one touchdown and it took a pair of goal line stands by the line to preserve the victory, 14-7.

### Almost Tied MSC

Then came the memorable Michigan State game in Portland. Those of you who missed that one will hear about it for years to come. Here was the national poll leader facing a

club ranked at the bottom of the heap of almost everyone. But just to show what spirit can do, the Beavers fought the Spartans to a standstill, finally losing out on a last-second field goal, 17-14.

It probably ranked as the most thrilling football game in Portland since Oregon State upset Michigan State, 25-20, in 1949, Kip's first year at the helm. It's difficult to explain, but these Beavers always go best against the Spartans. Even last year, MSC was lucky in a 6-0 victory.

And, of course, we fell to Stanford 41-28. Actually, the score does not clearly indicate just what happened. The Beavers, suffering a natural let-down after Michigan State, did everything wrong in the first quarter. Before the fans had even settled in their seats, we were three touchdowns behind.

### Three Quick TD's

When the score mounted to 41-7 in the third period, it really looked bad. Somehow, Jim Withrow finally got 'em rolling. He whipped three quick touchdown passes and sent Left Half Wally Jackson off tackle for another. Instead of giving up, these kids battled right up to the wire. Had the game been prolonged another 10 minutes, there's no telling what the score might have been.

But so much for that. Alums everywhere might like to know of the strong points, and the weaknesses of the 1952 club. It's a bit too early to look ahead, but this will bring you up to date after the first three games.

First of all, good old Slammin' Sam Baker is back in the race for individual honors in the Pacific Coast conference. At this writing, he's fifth in rushing yardage, fourth in kickoff returns and first—that's right—first in punting. With a 45.7 punt average, he also ranks first in the nation.

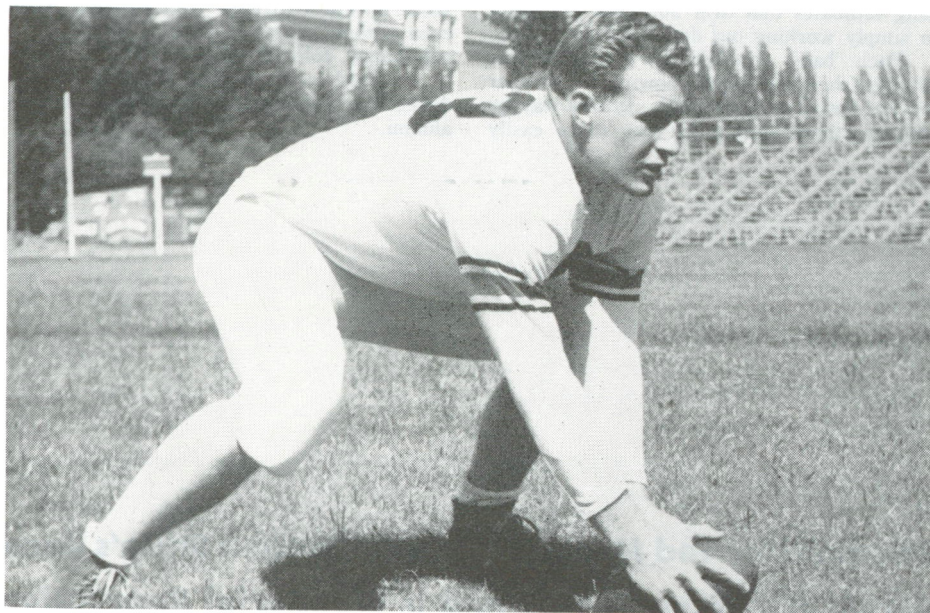
### Withrow Good

The biggest surprise of all has been quarterback Withrow. He's only a sophomore, but already ranks third in the PCC in passing. He's completed 27 passes in 54 attempts. That's batting an even .500, which is good enough in any league. And four of those tosses went for touchdowns.

We all moaned when Dwane Helbig signed a professional baseball contract, leaving us without a first-class pass receiver. Well look again, mates, we found a beauty in Jack Gotta, a junior letterman from Ironwood, Michigan.

This boy goes high and has sticky fingers. He caught 16 passes in the first three games,

Jarrin' Joe Fulwyler, junior college transfer, plays center and linebacker. Joe has developed fast and will be playing much ball for Beavers.



just two down from the conference leader. Against Stanford, he twice hauled 'em down in the end zone. Good as Helbig was, we still think Gotta is a beter pass-receiver.

#### Team to Surprise

The defensive line has looked good in spots, and very poor at other times. The same holds true for the defensive backfield. One of these afternoons, they're going to combine all the strong points and knock off one of the big ones. Wait and see.

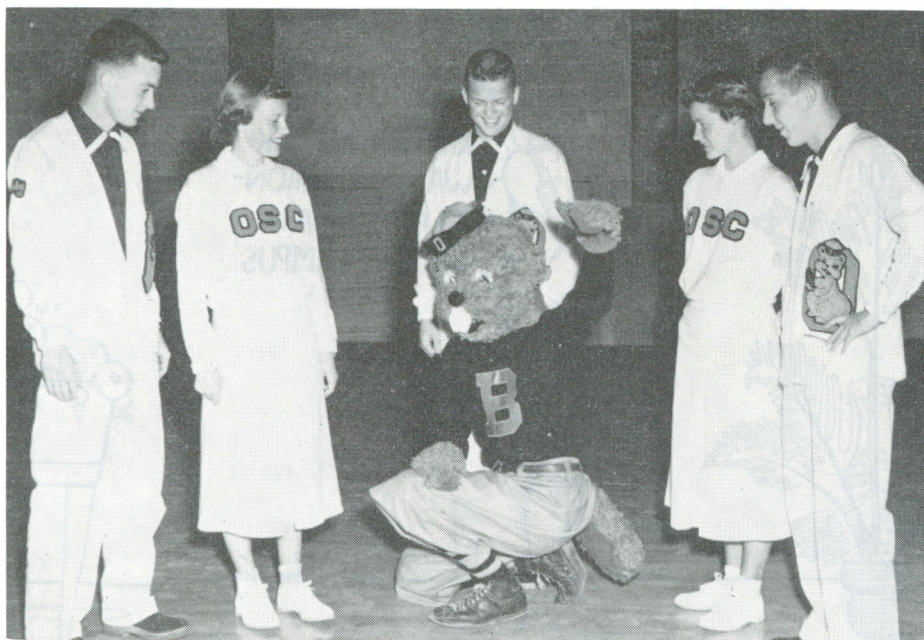
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**SHORTS:** What looked like a strong freshman squad has been riddled badly. The Rooks lost to the Oregon Frosh, 31-0, and to the Pacific Jayvees, 13-0. Five boys who had been counted on dropped out of school before the first game. Their reason? They weren't too impressed with college life. No bitterness against OSC, just that they would rather work than go to school. One was a hardship case, however, and still another failed to make the academic entrance level . . . The basketball outlook gets brighter all the time. Big Swede Halbrook, all 7 feet and 1 inch of him, is an imposing figure walking around the campus. Too bad freshmen won't be eligible this winter—those boys might give the varsity a rough tussle . . . Slat Gill has been in Japan on an army-sponsored basketball clinic for several weeks, but should be back by the time you read this . . . terrific home basketball schedule arranged by Spec Keene. UCLA, Santa Clara and Brigham Young will each play at Corvallis twice in pre-season tuneups. Couldn't do much better than that. . . the new stadium is really shaping up. Charley Parker is confident the "play ball" whistle will sound in 1953.

Big Doug Hogland, 215 pounds of tough tackle, is a senior and anchors a sturdy OSC line.



# HOMECOMING 1952



Oregon State's mascot, Benny Beaver, will be on hand with the rally squad at Homecoming, November 14, 15 to cheer the Orange and Black during the Idaho game.

## Meet Old Friends

**House Signs**

**Noise Parade**

**Bonfire Rally**

**Alumni Barbecue**

**Beavers vs Vandals**

**Coffee-Donut Jamboree**

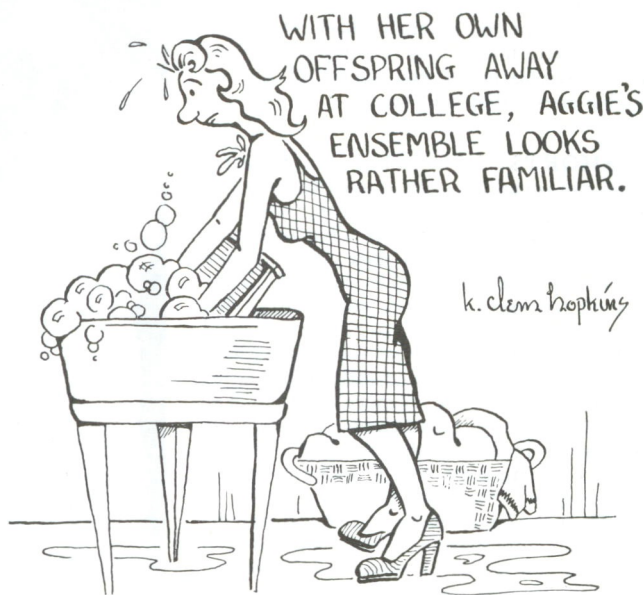
**Homecoming Dance**

**November 14, 15**

# Alumni Antics (The Coed)

AS A COED ON PAPA'S  
BANK ACCOUNT ...

BUT IN 1952 ...



## The Cyclotron Report

(Continued from page 4)

There are three principal reasons for constructing a cyclotron at Oregon State College.

1. For research in nuclear physics. Because the production of nuclear reactions requires high energy particles some kind of an accelerator is necessary if experimental work is to be done in nuclear physics. There is at present no such device in the State. While it is true that a 37 inch cyclotron is not large in comparison with the 60 inch and 184 inch machines at the University of California and the 60 inch machine which is now being completed at the University of Washington, it is larger than many and definitely not a toy. There is a great deal of work to be done in nuclear physics not requiring the highest producible energies.

2. For training nuclear physicists. Because of the importance of the cyclotron in nuclear physics it is highly desirable that all students in physics have an opportunity to become familiar with the machine and actually to operate it. Many of the big machines are operated on such tight schedules, on high priority work, that only a few students have the opportunity to use them. The OSC cyclotron will be used part of the time as a laboratory device on which students in courses in electronics and in atomic and nuclear physics will gain experience.

3. The production of radioisotopes for research in other sciences such as chemistry, medicine and the biological sciences. Many radioisotopes, or radionuclides, cannot be produced in an atomic pile or can best be produced only in a cyclotron. Others have such short half lives as to make it necessary to produce them at the place at which they are used. The OSC cyclotron will thus promote research in various branches of science and technology at other state institutions as well as at OSC.

The magnet for the cyclotron, shown in top picture, has been completed and tested. The steel yoke, at A in the picture, was machined in the shops of the Radiation Laboratory at the University of California and shipped to Corvallis on a railroad flat car. The heavy work of moving the steel was done by the OSC Physical Plant as was the construction of the concrete floor and the erection of the 40 by 60 foot aluminum Butler building which houses the cyclotron and its laboratory. The heavy steel pieces were assembled on a small concrete foundation so that the crane could be moved close to the assembly, after which the complete floor was poured and the concrete shielding wall, shown partly completed in bottom picture, erected around the magnet steel. Finally, the building was erected over the whole.

The pole pieces and magnet coils cannot now be seen because they are covered by the housing, B and C in top picture, which carries the cooling air. The pole pieces are 45 inches in diameter, beveled down to 39 inches at the pole faces; one pole extends downward from the middle of the upper horizontal section of the magnet yoke and the other upward from the bottom section. The gap between the pole pieces, in which the skeleton of the vacuum chamber, E, is shown, is  $9\frac{1}{2}$  inches.

Each magnet coil consists of 9 sections or "pancakes" wound of one inch by  $\frac{1}{4}$  inch copper strap. The adjacent turns of each section are insulated from each other by fiber glass tape and the "pancake" sections spaced  $\frac{3}{8}$  inch apart by means of perforated micarta strips. A special machine, which was located between the poles of the magnet, had to be built to wind the coils; several months of painstaking work were required for the winding operation.

A current of 250 amperes at about 90 volts

is required to excite the magnet. Thus approximately 22.5 kilowatts of power is dissipated in the magnet coils. The resulting heat is removed by means of air blown into the coil housings B and C through ducts on the far side of the magnet, top picture, and out of the duct D. This cooling system, together with an air filter for preventing dust and other particles from reaching the coils has been completed and tested. It is planned to use the warm air from the magnet coils to heat the cyclotron building in winter.

The strength of the magnetic field must be held to about 0.01 percent of a constant value during operation. An electronic regulator to accomplish this by controlling the field of the d-c generator has been built and tested.

The shape of the magnetic field, that is its variation in strength with both azimuth angle and radius over the pole faces, is very important in that it affects focussing of the ion beams within the dees as well as the ease with which the beam can be deflected from the spiral path and thus removed from the machine. It has been the subject of several months of careful testing and modification by means of magnetic shims. These consist of sheets of iron placed in the gap between the pole faces and the steel covers to the vacuum chamber, in those areas where the field strength must be increased. Field profiles, or shape of magnetic field, have been worked out for several magnet currents and combinations of shims. The entire magnet system is considered to be completed and ready for use.

The framework for the vacuum chamber, which will house the dees, is shown at E, top picture. This was fabricated, from cyclotron committee design, by the Aluminum Corporation of America. Aluminum plates  $1\frac{1}{2}$  inches thick were used and the welding done by the Heliarc process. Machining of the

chamber was done by the Hyster Co.; of the cover plates by Albina Engine and Machine Works.

A quarter scale model of the cyclotron oscillator has been built and tested. The full sized oscillator, which is now in final design and early stages of construction, will operate at approximately 10.75 Mc for deuterons and will be housed in a heavy metal box. This will be attached to the far side of the vacuum chamber, E, and extend toward the far right corner of the picture. The dees will be supported at the ends of two 6 inch diameter copper pipes, called the dee stems, which will form also the resonant circuit of the oscillator. The metal housing over the oscillator is necessary in order to prevent appreciable electromagnetic radiation. This radiation must be prevented otherwise there would be a serious loss of power from the oscillator as well as bad radio interference at the oscillator frequency.

A good vacuum must be maintained in the space around the dees so as to effectively reduce collisions between the accelerated particles and residual gases. This vacuum will be produced by the 20 inch diffusion pump, shown at F in top picture, which was obtained, used, from the UCRL. It has been carefully overhauled and tested and is now maintained in a standby condition under vacuum produced by a small mechanical pump. At the top of the diffusion pump is a large air-pressure-operated vacuum valve which will be used to disconnect the diffusion pump from the vacuum chamber so that the later can be opened without the necessity of shutting down the pump. Two 45 cfm Kinney mechanical forepumps will be used in connection with the diffusion pump. These were obtained from Oak Ridge through the AEC Hanford Operations Office and have been overhauled, tested and installed.

#### Heat Is Developed

Considerable heat is developed in the dees, vacuum chamber, and dee stems of a cyclotron by bombardment and by radio-frequency currents. This makes it necessary to solder an extensive grid of copper tubing inside of these parts and to pump water through it. Forty gallons of water per minute at about 85 pounds per square inch will be required for this purpose. This water must then be cooled before recirculation. A cooling system for this purpose has been designed and completed, with the exception of the installation of a centrifugal pump, which has not yet been delivered. The main components of the system for cooling the water are an 850 gallon storage tank, located outside the building, and two sets of radiators and blowers mounted high on the south wall. The later were obtained from the State Surplus Property Agency in Salem, as was a refrigeration plant which is required to operate a "refrigerated baffle" to be located between the diffusion pump and vacuum valve to keep oil vapors out of the vacuum system and to improve the over-all vacuum.

A primary power system consisting of a 12,000 volt transmission line 900 feet long and two banks of three transformers each was built shortly after the building was erected and has been in operation since then. One transformer bank has a capacity of 75 kva at 2300 volts and is used for supplying the motor generator and oscillator high voltage power supply; the other, of 45 kva capacity at 110/200 volts is for building lighting and power.

#### Committee Supervises

The design of the OSC cyclotron and the supervision of its construction is being carried out by a committee consisting of Dr. E. A. Yunker, Chairman of the Department of Physics; Dr. J. J. Brady and Dr. R. R. Dempster, professors of Physics; Dr. David Nicodemus, associate professor of Physics and Charles Filz, director of the Physics Department shop. Robert Merritt is responsible for the electrical work; Daryl Downing is foreman of construction. Dr. Brady worked on the original cyclotron with Dr. E. O. Lawrence, its inventor. Dr. Nicodemus took part in the construction and operation of the Stanford cyclotron.

The idea of building a cyclotron at OSC started with the suggestion by Dr. Lawrence to Dr. Dempster, who was visiting in the former's office, and an offer to assist in obtaining a gift of the magnet steel from the Atomic Energy Commission.

The principal financial support for the project is from the U.S. Atomic Energy Commission and Oregon State College. Funds have also been received from the Research Corporation and the Oregon State College Foundation. The 50 tons of steel for the magnet was salvaged from a Manhattan Project magnet and donated by the Atomic Energy Commission through the University of California Radiation Laboratory; the concrete blocks, formerly used for ship ballast, were donated by Consolidated Builders, Inc.; some of the material for the foundation was given by J. H. Gallagher of Corvallis; the machining of the aluminum vacuum chamber was done as a gift by the Hyster Company of Portland.

Many items of equipment, as well as services, were obtained at low cost, often amounting to gifts. These include the motor generator set which was obtained from the Eugene Water Board for exciting the magnet; the used transformers and transmission line equipment from the Portland General Electric Company; and the mechanical vacuum pumps, obtained through the Hanford Operations Office of the Atomic Energy Commission.

Special credit is due the staff of the Radiation Laboratory for supplies and equipment furnished and for guidance and assistance in the design.

Instead of designing in detail the whole system before starting construction, which would require specific apparatus and supplies, the details of design have been carried out during construction so as to use gifts and bargains as they became available. All of the engineering and construction, with the exception of the building and the moving of the magnet steel and shielding, has been done by the Physics department staff and shops. Graduate students are being employed to a considerable extent thus giving practical experience to these students. It is anticipated that approximately one more year of work will be required before a beam of high energy particles is obtained.

The construction of even a medium sized cyclotron is a project of considerable magnitude usually requiring three or four years for its accomplishment. Cyclotrons of the size being built at OSC can be purchased, engineered, built and installed, for \$300,000 to \$500,000. The total budget for the OSC unit is a small fraction of the smaller of these figures.

# More Than 37 Years of Service to OREGON STATE



## OSC Cooperative Association

Memorial Union

# Alumni 'Round the World...

## '85-'00

Mildred Patterson, '96, has her home in the Masonic Home at Forest Grove. Lester Leland, '95, of Portland sent in much news of former classmates. He writes that he expects to be at the Barbecue and Homecoming festivities this month. Mr. Leland's wife, Lillian Miller Leleand, died June 26, in Portland. Mabel Davis Walker, '99, widow of Dow V. Walker, '04, died in July.

## Died

Pate—Frank C. Pate, '99, died recently after he was stricken with a heart attack. He was 72 years old. Mr. Pate operated a creamery in Albany from 1908 to 1943 when he retired.

## '01-'05

S. L. Burnaugh, '03, has retired after having worked for C. L. McFadden, '15, as a pharmacist at the Grant high pharmacy. Teroh Scott, '04, from John Day visited Alva Horton, '04, at his home in Jacumba, Calif.

## '06-'10

## Married

Rice-Mays—Chris E Mays, '10, and Mrs. Bethel L. Bilyeu Rice, '23, were married May 10. They will continue to work in their present assignments, Chris with Kaegi Pharmacy and Beth with Paulsens Drug company.

## Died

Finley—Alvin E Finley, '10, died at his Portland home February 22.

## '11-'15

## Died

Erskine—Archie Guy Erskine, '11, died recently in his home near Lebanon. He was born in Iowa in 1886 and came to Oregon in 1902. He is survived by his wife and six sons.

Duckworth—Luther A. Duckworth, '11, died recently in Bend. Death followed a heart attack during the course of a tour of Shrine clubs of central and eastern Oregon cities. He is survived by his wife.

## '16-'20

District ranger for the Mount Hood National Forest, Columbia Gorge Ranger Station, Cascade Locks

is Wayne Gurlay, '20. George J. Altstadt, '20, is vice president and general sales manager of Interstate Tractor and Equipment company of Portland. He has a son, John, a junior at OSC. Ivan H. Loughary, '16, recently took over new duties as Dairy Extension Specialist with Washington State College. He came from a similar position with the University of Wyoming.

## Died

Brong—Paul Brong, '20, died January 12. He and Mrs. Brong owned and operated the Paul Brong Machine Works in Portland. Mrs. Brong will still carry on the business.

Brett—Brig. Gen. Sereno E. Brett, '16, died in Santa Barbara, Calif. recently. Born in Portland in 1891 General Brett began his military career with the Oregon National guard on the Mexican border in 1916. He later joined the infant tank corps in World War I and won the Distinguished Service Cross, two Silver Stars, French Legion of Honor and Croix de Guerre with palm. During World War II he was chief of staff of the Command and General Staff school and the army war college. Survivors include his widow, a son, daughter, brother, and a sister.

## '21-'25

Zina A. Wise, '21, is president of the Griffith Rubber Mills. Joe Dyer, '23, is president of Astoria Marine Construction company which recently built the USS Dash, 165 foot nonmagnetic minesweeper and the first important vessel to be launched in Oregon since the last war period. Rear Dm. H. E. Haven, commandant of the Puget Sound naval shipyard, was high in his praise of Joe Dyer and his craftsmen who built the ship. Admiral Haven said: "This ship was designed to the superlative. Never before had wooden shipbuilders been called upon to construct laminated vessels of the size of this. But to the master craftsmen of Joe Dyer's yard, this was a challenge that was met and mastered as never before. To all these craftsmen, a hearty "well done".

## '26-'30

Charles Fox, '27, was reappointed to the national defense committee of the United States Chamber of Commerce. Larry Allen, '27, heads the Larry Allen Inc., one of the nation's largest talent representatives and producers of shows for the stage, radio, and television. After leaving OSC Allen traveled with Fanchon and Marco, producing organization serving the western part of the country. From this job Allen

went into radio, first in Seattle, then in Portland. Then he accepted a position as an executive of NBC in Hollywood. Sixteen years ago he branched off into his present days business. His firm now manages radio and television personalities as: Bing Crosby, Art Linkletter, Carmen Dragon, Bill Thompson, The Old Timer, and many others. The organization handles a total of 16 radio shows, fairs, conventions, ballet and concert attractions along with furnishing artists for the Standard Hour, radio and TV.

Burton Hutton, '27, is now State 4-H Club Leader in Oregon. He has held this position since September. Mrs. Chester Main, the former Violet Needham, '30, lives in Tulelake, Calif. Theodore E. Powers, '28, is dairy farming in Bay City. He has a daughter attending OSC. Dorothy D. Brimacombe, 26, (Dorothy Redenbaugh) is co-owner of Brimmies Commercial Printing and Stationary store in Las Vegas, Nev. She is running for state legislature on the Republican ticket in a Democratic county. Mrs. Brimacombe is also president of Altrusa Club of Las Vegas and president-elect of Nevada Federation of Women's Republican Clubs.

## Died

Joughin—Carlton Edward Joughin, '26, died September 3 in Montana after an illness of two years. When taken ill he was manager of a mine at Libby, Mont. He was 48 years old.

## '31-'35

Foster Meyers, '31, is now working as an examiner for the Secretary of State of Oregon, Drivers License Division. Roy E. Dahlin, '31, is employed at the Southern California Edison company as the director of lighting development. Roy wrote that while on duty at Ft. Hauchaca, Ariz. last summer he met Lt. Col. Don Morgan, '33, who is the commanding officer of the 820th Aviation Engineer Battalion stationed there. Mrs. Morgan and their two sons are there with Col. Morgan.

Wallace E. Wheeler, '33, has stepped up in the U.S. forest service to the division of state and private forestry and will work on cooperative protection. He has been on national forests most of the time since graduation. From 1947 he has been staff officer on the Olympic forest and handled fire control activities. Mr. and Mrs. Howard Beckendorf, '34, and '35, (Dorothy Atwood) are now living in San Francisco where Howard has a new position with the Pacific Telephone company. For the past year and a half Howard had been loaned to the AT & T and has been working out from the New York offices in special studies of income. The findings of this study have been shared nationally through the various companies in regional conferences. Mr. and Mrs. Russell Adams (Tina Fiegenson, '35) now own Jackson's Specialty Shop in Corvallis.

# Alumni News

## San Francisco Bay Area

Five hundred alumni from Eureka down to Bakersfield gathered at the Sir Francis Drake Hotel in San Francisco Friday night, October 10, for one of the most successful rallies ever held in the Bay Area. Program included talks by Mark Corwin, '39, Alumni Association President from Eugene, Ore., Football Coach Kip Taylor and his assistants Ray Morse and Ward Cuff, and President A. L. Strand of OSC. Complete Oregon State rally squad headed by Bill Sundstrom, '54, led the group in some spirited Beaver yells, and the meeting ended with dancing. A vote of congratulation to John Lavinder, '28, '51-'52 Bay Area President, Leslie Proctor, '41, secretary, and other officers. Ken Lange, '39, was elected President for 1952-53. Attendance was increased by a group of 40 alumni and boosters from the state of Oregon.

## Portland

Several hundred alumni gathered in the Rose Bowl room of the Multnomah hotel in

Portland October 3, prior to the Michigan State game. They heard Coach Kip Taylor comment on his team and the MSC game.

Another rally in the Rose Bowl room will be held November 21 before the Oregon-OSC game. This affair will be held jointly with alumni of the University. Be sure and attend. Time is 8 p.m.

## Southern California

A gathering for alumni in Southern California is planned for Friday night, November 7, Cocoon Grove, Ambassador Hotel, Los Angeles. Further information by mail—or contact Aaron Funk, '38, President.

## Oregon

Alumni meetings, with movies of the OSC-Michigan State football game of 1952, were held in the following Oregon cities during October: Portland (regular Monday noon luncheon at the Aero Club), Newberg, Salem, Corvallis, Eugene, Grants Pass, Medford, Klamath Falls, Bend, LaGrande, Baker, The Dallas, Hermiston, Ontario, and Enterprise.



OSCar says: Back the Beavers!

## '36-'40

Donald William Coons, '39, is now a Lt. Col. in the army and stationed at the Pentagon building in Washington, D.C. Mrs. C. Dan Phillips (Ruby Scullen, '38,) was completing working on her masters degree in education at Oregon State during the summer. Mrs. Selma Carothers Wright, '37, is still teaching at Molalla Union High School. Lt. Col. Raymond W. deLancey, '36, has been named commanding officer of the 930th Engineer Aviation Group in Korea. He was in command of the 811th Engineer Aviation Battalion and later became group executive officer. The engineers are charged with airfield construction.

Mrs. Darrel Hansen, '40, (Anna Jean Bolton) is a housewife living in Pleasant Grove, Utah. F. B. Crandall, '36, traffic engineer for the state highway department, has been elected president of the Institute of Traffic Engineers. He is the first engineer from west of the Mississippi to head the national group of municipal, county, state and federal engineers. He has served as director and vice president of the institute, chief function of which is establishing national standards and uniformity in traffic engineering and street and highway planning. The Crandalls live in Salem and have two children.

Adreen Nichols, '39, recently teaching at Chaffey, Calif. high school is now an instructor at OSC and adviser of one of the home management houses. She will work for her advanced degree also. Jim Heartwell, '38, is now in the final stages of preparing a gigantic history in book form of Oregon State basketball. Alfred Nelson, Jr., '40, and his parents, Mr. and Mrs. A. H. Nelson, sailed from New York last August for a visit in Sweden and other Northern European countries. They returned in October. Mrs. Alfred Nelson, Jr., (Helen Ransdell, '40) and three children returned to their ranch at Lexington after a vacation in Portland and on the Oregon coast.

Col. Jackson Graham, '36 has been chief of military personnel division, office Chief of Engineers, Washington, D.C. for the past year. Mrs. Dean H. Elliott (Anna Burnett Bunker, '40, is busy serving as president of Humboldt Branch American Association of University Women. She, with her husband and year-old daughter, Alison, returned to Corvallis for the first time in six years. She wrote that the campus looked beautiful. Mr. and Mrs. Stewart G. Green, '40, (Nell Penland) and two children live in Seattle, Wash. Stewart works for the army engineers.

### Born

Rowley—A daughter was born to Mr. and Mrs. David A. Rowley (Lucille J. Harwood, '38) on February 27 in Seattle, Wash. She is their first child.

Morrison—Mr. and Mrs. John B. Morrison (Elizabeth Leary, '36) have their third child. He was born February 15 and was named Donald Blair.

### Married

Turlay-Summerfield—Mary Ellen Turlay, '37, married Jack N. Summerfield on May 15. They now live near Warrenton, Ore.

## '41

John F. Cross is manager of a nut plantation for Castle and Cooke Ltd. in Hilo, Hawaii. Leslie Proctor is secretary of the Bay Area Alumni group and recently moved to Lafayette, Calif. Lester Dunn is a forester in timber management at the regional office of the U. S. bureau of land management in Portland. Mrs. Dunn is the former Alvera Brookman who studied graduate work in 1941-42. Rodney Pety is engaged during the current academic year in a cooperative research project between the Bureau of Land Management and the University of Wisconsin at Madison.

## Senior Banquet

The annual Senior Ring Football Banquet will be held this year in Corvallis instead of Portland. This will allow more alumni and boosters of football to attend the banquet than was possible when it was held in Portland.

Saturday, December 6 at 5 p.m. is the date. The place is the Memorial Union ballroom. Price is \$4.50 including a choice seat afterwards to the OSC-UCLA basketball game. High school and college student tickets are two dollars.

### Born

Dunn—Born to Mr. and Mrs. Lester C. Dunn, a daughter, Elaine Alice, on September 15. She is their first child.

Kessler—Anne Marie Kessler was born June 21 at Corvallis. She is the daughter of Mr. and Mrs. Richard H. Kessler (Audrey Davis Kessler, '41).

### Married

Bleeg-Smith—Mary E. Bleeg was married recently to Donald Smith. They make their home in Portland.

## '42

Ronald Lawson is managing the R. H. Wahle company, merchandise brokers in Spokane, Wash. He has been in Spokane since September 15. Lt. Col. Ralph Moulton is assigned to Air Material Command headquarters at Wright-Patterson air force base in Ohio. He holds a top position in maintenance and expansion of air force installations throughout the country. Before his recall into the Air Force Col. Moulton was associated with Standard Oil at its El Segundo, Calif., refinery for the last five years as a chemical engineer.

Elmer Ingle, Benton county representative for Investors Diversified Services, was first in gross pro-

duction in the eight western states for the week ending August 30. He was rated seventh in the nation. The Alan McCallister family spent a six week vacation in the U. S. this summer from their home in Hawaii. Alan is still supervisor of Midpac operations for Standard Oil company of California. Since the recent typhoon at Wake Island Alan said he would be busy rebuilding petroleum facilities there.

### Born

Drake—To Ray W. Drake and Anita Kenny Drake '40, Malin, Ore., on June 5, their fifth child and third daughter was born.

Anderson—Mr. and Mrs. C. L. Anderson are the parents of a 4 pound 4½ ounce boy born September 10.

Saxton—Mr. and Mrs. Donald E. Saxton (Dorothy Anderson) have a new daughter. She was named Marcia Jean and was born July 15.

Stewart—A baby daughter for Heloise Lee Stewart.

## '43

Louise P. Cavnarno is administrative resident at the University of Virginia hospital at Charlottesville, Va. Last year she was at Columbia. John

# Before and After the Games

*Visit the*

*Beau Brummell  
Lounge*



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**Hotel Benton**

Dunn recently resigned his position on the agricultural engineering staff at California State Polytechnic College and accepted the position of Service Manager with Tractor-Equipment Distributors Inc. in Arizona, Southern California, part of Mexico and Hawaiian Islands. The firm distributes Ford tractors and Dearborn implements. Mrs. Dunn (Audrey Johnson, '45) is busy taking care of their two children, Joyce, six, and John Jr., two.

Marvin Wilson is in manufacturing instead of the laboratory of Standard Oil of Indiana. The Wilsons' twins are 7½ years old now and in the second grade. Marge Wilson Gentry is in San Francisco while her husband finishes his residency in a San Francisco hospital. Mrs. Mark Karmner (Kathleen Goul) is living in Berkeley, Calif. Robert Prather is working at U. S. navy electronics laboratory in San Diego alongside another Stater, Larry Harvey, formerly of the math and physics department. Both are group leaders. Nona Zimmerman lives in Santa Barbara, Calif., and is studying interpretation with Madame Lotte Lehmann. Betty Jean Lowry is in Boise, Idaho, and working as a secretary.

Mr. and Mrs. R. V. Jessup have a new home in Glendale, Calif. Vince Jessup is in the dairy and cattle business with his father. He is the veterinarian for the herds and last year established an artificial insemination service that covers Los Angeles county. He also ships out of the state. Mrs. Jessup is the former Virginia Garland.

#### Born

Jessup—Mr. and Mrs. Vince Jessup have a baby boy, Donald Roger, born December 6, 1951. The Jessups have two other children, Janice, 4; Georgia Lee, 2½.

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#### '44

Dick Hallock is working for the California department of fish and game. Geraldine Kem lives in Tacoma, Wash. She recently returned from a trip to Miami Beach, Fla.; Havana, Cuba; Washington, D. C.; and New York. She says that Lt. T. O. Mohr and Mrs. Mohr (Elaine Drake) and sons Dick and Tommy are now at the navy fuel base at Manchester, Wash.

#### Married

Armstrong-Teaford—Caroline Armstrong and Dawson Eugene Teaford were married recently in the Good Samaritan Episcopal church in Corvallis. The bridegroom is the son of Mr. and Mrs. Orville Teaford of San Jose, Calif. The couple will live in Los Angeles.

#### '45

Mary Wakeman has been living in San Francisco for the past three years and is working for Crown Zellerbach corporation. Hubert Pessner is living in Albany, Calif. The Pessners are expecting a new addition to the family in January.

Mrs. Lois Sather has been appointed for the next year as research assistant in the experiment station. She is the first permanent home economist to be employed by the food technology department and she will be in charge of the testing kitchen and will conduct research on the use of Oregon fruits in frozen pre-cooked products. The William F. Zobrist Jr. family recently purchased a new home in Spokane, Wash. Mrs. Zobrist is the former Rhoda Thurn. Bill is a mechanical engineer with Building Supplies Inc. Rhoda is a kindergarten teacher at the Grant school in Spokane.

#### Born

McCarthy—Mr. and Mrs. Royal McCarthy (Eris Green) are the parents of a daughter, Christiane. She was born August 19. They also have a boy 2½ years old.

#### '46

Mr. and Mrs. Milton Preisz (Lois Heesacker, '45) and their daughter recently moved to Newport where they have taken over the distributorship for Gas-Heat Inc., a propane business. Tom McClintock is studying at the University of Washington on his doctor's degree. Tom has been appointed resident advisor of one of the men's dormitories.

#### Married

Thayer-Cole—Carol DuBois Thayer and John Peck Cole were married recently in Portland. They will make their home in Portland.

#### '47

Richard Martin is an automobile dealer in Portland. Ron Jones is a realtor in Salem. Teaching commercial subjects at Port Townsend, Wash., high school is Marion Elizabeth Ott Wagner. She was married June 15 to Paul Wagner. Barbara Ann Bogue, now Mrs. Charles Norman, is a housewife living in Smith River, Calif. Associated with the Stanford Research Institute is Wayne Crews. He recently got his Ph.D. at OSC. Jim Daneri is still with the Rheem Mfg. Co. water softener division and his wife Claire is among the growing number of OSC alums working for Sunset magazine.

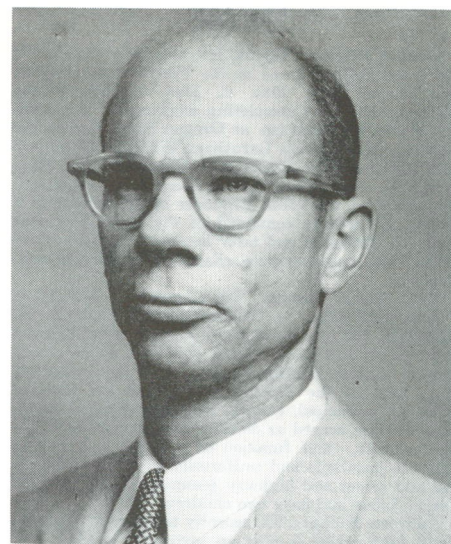
William Meiners was recently transferred to Yakima, Wash., as range conservationist, soil conservation service for the State of Washington. Edwin Marsh is now with the Air Force stationed in Korea. Mrs. Monte Thoen (Doris Read) and her small son, David, visited in Corvallis recently. Eldon Hughes is working with the California Department of Fish and Game. Jim Schram is still selling insurance in Portland.

#### Married

Linton-Maddox—Lois Ethel Linton and Major Jacob Maddox of the Air Force were married September 6 in Portland. They will be at home in Oakland, Calif.

#### Born

Arenz—Richard Moore Arenz II was born to Mr. and Mrs. Richard Arenz in Missoula, Mont. on September 18.



Lewis E. Knerr, Jr., '40, has recently been appointed airline maintenance superintendent for Pan American Airways Latin American Division.

In his new post Knerr is responsible for maintenance work on PAA's Clipper fleet at stations throughout Latin America. Prior to his new assignment he was engineering group supervisor on the airline's fleet of Convair-type Clippers. Knerr joined PAA as an apprentice engineer in 1940.

The Knerrs have three children and they live in North Miami, Fla.

Barnes—A daughter, Ellen Gayle, was born to Mr. and Mrs. Lawrence Barnes of Portland. She was born June 21.

Young—August 27 was the date of birth of Deborah Anetta to Mr. and Mrs. Dean L. Young of San Francisco.

#### '48

Leonard Pani is now a sales engineer with Industrial Engineers, Inc., consultants and engineers to petroleum industry. The Panis built their own house in Los Angeles last year. They visit frequently with Ed and Lila Schmidt and Bill Braun. James A. Blaisdell is in charge of research and management of the Doyle winter deer range, Lassen county, Calif. for the California department of fish and game. Jim says that Ernest Hodson, '50, is also on this project. The Gray Thompsons have moved from Toledo, Ore. to Pendleton where Gray is now a full-time 4-H club agent for Umatilla county. Mrs. Thompson is the former Norrene Bohnert. John Pratt is an engineer at Langhorne, Pa.

Margaret Kehrli McIntyre is now living in Bethlehem, Pa. where her husband teaches political science at Moravian College. Margaret writes that she hears from Beatrice Thompson who is teaching in the American Girl's school at Istanbul, Turkey. Mr. and Mrs. Clarence Jacobson (Betty Moore) are living at McCloud, Calif. where he is working for the U.S. Forest Service as assistant nurseryman at the Mt. Shasta nursery. Loren Bacon was transferred from Portland to Los Angeles where he is working for National Carbon company. The family includes wife Carolyn, daughter Marjorie, and son Philip.

Clair Brown recently returned to civilian life after serving two years in the navy. He was the executive officer aboard an LST which has seen duty in Japanese and Korean waters. The Brown's plans are uncertain but they hope to see many friends at Homecoming. They have two boys, Arthur, five, and Tim, three. Mrs. Brown is the former Josephine Tate, '46. Rolland Beglau is field superintendent for Pictsweet Foods Inc. in Albany. Paul Merton Condon is a land appraiser for the Bank of America, Sacramento, Calif.

Glen Wilson is still working in the advertising and sales promotion department of General Electric in Schenectady, N. Y. He works as a copywriter. Larry Pagter is forester for Mid-State Lumber company. The Pagters live in Prineville. Jack Wilson and Ralph Beck are working in the California Department of Fish and Game. Reed Vollstedt owns and operates the Reed's Garden Center in Eugene. His



# THE CIDER MILL

Everything looked the same and yet everything might have been so different . . .

SOMETIMES, on crisp fall days, you can notice the sweet, rich smell of russet apples a good hundred yards before you come to Bailey's Cider Mill down on the Old County Road. It drifts out of the presses and hangs low over the ground and reminds you of Halloween and Thanksgiving and all of the good things of autumn rolled into one.

It reminded Harry Mason, driving back from a business trip to a neighboring town, of all those things and something more—that it would be a wonderful idea to take home some apples and a jug of Bailey's famous cider.

A few moments later he eased his car off the road and pulled to a stop at the side of the mill. It was the first time he had been there for some years, and after he got out of his car he stood and looked around him for a moment, refreshing his memory and trying to see if there were any signs of change.

Everything looked the same. The mill was as he had always remembered it. The apple orchards looked full and orderly as they always had. And the old Bailey homestead still sat on top of the knoll,

tranquil among the giant elms that surrounded it.

Harry Mason nodded thoughtfully. The whole place had an air of peace and permanence—and that was good. It was good because that was what Tom Bailey had worked for and planned for right up to the time of his death. Peace and permanence. Security for his wife Nora and for his son Roger.

Tom Bailey had had a taste of insecurity in his own younger days, Harry remembered. His father had left the orchards and the mill to him so burdened with debts and mortgages and taxes that for several years it was touch and go whether Tom could keep the place at all. It took a lot of work—with a little luck thrown in—for him to get "out from under" and put the orchards on a paying basis.

Harry glanced up again at the old house on the hill, recalling how he and Tom Bailey had sat there evenings making plans so the Baileys' security would not be jeopardized again. Enough life insurance to pay for help to keep the place running without digging into Nora's income from it. A separate New York Life policy for

Roger's schooling. Some extra life insurance to take care of estate taxes and other obligations that might otherwise cause some of the land to be sold . . .

Yes, Harry thought, the old mill had an air of peace and permanence—and that was good. It was the thing Tom Bailey had sought for his family . . . and the thing Harry, as a New York Life agent, had helped others build for theirs. Harry smiled a little to himself as he turned and walked around to the broad doorway at the front of the mill.

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# Schedule-making Is Quite a Job

STUDENTS who groan and gripe about making out a class schedule with half a dozen subjects each quarter can console themselves as they listen to this story of Mrs. Belva Dixon, '22, who builds the Oregon State college subject schedule.

This term, for example, there are more than 900 courses, 440 instructors, 130 lecture rooms and 174 labs that had to be matched and intergated into a schedule that produces a minimum number of conflicts for students, a maximum amount of efficiency in room and lab usage and a balanced, spaced program of teaching for the professors.



Mrs. Dixon will testify that the task isn't easy. It never has been, in fact, during the 30 years she has worked on scheduling.

While the years of experience do help, problems of expanding enrollment, increasing classroom demands and such things as the ASTP program during World War II keep complicating the job.

Within the framework of the 900 classes, Mrs. Dixon builds dozens of sample schedules for students in the various schools before setting the class hour. Using the catalog requirements as a guide, Mrs. Dixon makes a typical schedule for students enrolled in each particular field to be sure the different classes will fit into the daily program.

Special attention must be given, of course, to ROTC hours that are a "must" in many cases.

There are other problems as well. Food laboratories, for example, aren't scheduled before 10 o'clock in the morning in order to make it possible to get fresh vegetable and fruit supplies.

Bacteriology labs must be scheduled 48 hours apart to permit the development of cultures.

Instructors are not usually given more than two lectures in a row, and professors who teach extension classes out-of-Corvallis at night get special consideration.

Set-ups that are in conjunction with lectures in some classes require considerable time to get ready and the classroom must be free

and available the hour before the scheduled class.

With the terrific volume of work involved and the multitude of names and numbers to check, some errors pop up from time to time, of course.

Mrs. Dixon chuckles as she recalls how a typographical error once titled a course "Choosing a Vacation" rather than a vocation. And the music department once had a class "Sight Seeing and Ear Training" instead of sight singing.

Through the 30 years, however, Mrs. Dixon has maintained a deep interest and developed great pride in the scheduling despite the complexities of work and home.

Mrs. Dixon started college here in 1907 but dropped out of school in 1910 to be married. Her husband, Claud Dixon, fell victim to the 1920 flu epidemic, however, and Mrs. Dixon was left with five small children to care for. She returned to school to complete work in commerce and mathematics while her mother gave an assist with the youngsters.

In 1922, Mrs. Dixon was appointed to the staff with half-time duties on scheduling and half-time on mathematics instructions.

"Students who say it takes a mathematician to figure out the class schedules will be amused to hear that the math department really did the job in the early days and that I'm a mathematician," Mrs. Dixon smilingly reports.

For 11 years, Mrs. Dixon continued on half time scheduling while teaching algebra and geometry. Then in 1933 she shifted from the math department to the registrar's office and carried the scheduling job with her. Professor E. B. Beaty, '03, of the mathematics department continued to lend a hand, however, as he had from the beginning until he retired.

The war period brought an extra burden for Mrs. Dixon and the registrar's office. Trying to fit 36 to 40 hours of classes for those service students into the weekly program was no easy job and the shift in student personnel from quarter to quarter necessitated constant checking throughout the year.

The post-war period was really the trying one, however, Mrs. Dixon recounts. Booming enrollments, staff expansions and shortages of classrooms were all doubly felt in her work. Today, the new buildings and the leveling off of enrollment has eased the job considerably and provided a breathing spell before the big rush of students hits the campus in the late 1950's.

wife is the former Maryana Bollinger. They have two children, Julie and Scott.

Robert Kischel has taken a position of county lands forester of Douglas county in Rosburg. Robert C. Garrison recently moved from Williston, Fla. to Bonita Springs, Fla. He is still with the Florida Game and Fresh Water Fish Commission and is currently engaged in a research project on deer and turkey in the "Big Cypress Swamp Area" of South Florida. Bob wrote that "If you think lower campus gets wet during rainy season, come look at 'Big Cypress'". Robert H. Strong and his wife Shirley Howard Strong just returned from New York City to make their home once again in Portland.

### Married

McKain-Wilson—Glenn Wilson and Allyn McKain of Rexford, N. Y. were married September 13. Allyn is an alumnus of St. Lawrence University of New York. They make their home in Schenectady, N. Y. where Glenn works for General Electric.

Firestone-Dereikso—Maxine Firestone and Harry Dereikso were married October 18 in The First Me-

## From Oregon State College

### Many Journalists

Karl Robe, food tech grad who dabbled considerably in journalism, is the new assistant editor of Food Processing magazine in Chicago. Lou Seibert, last year's Barometer editor, and Janeth Johnson, another former Baro staffer, are with Sunset magazine in California. Both are home ec majors. . . . One of these days we're going to do a "special" on former publications luminaries who have gone into scores of specialized journalism jobs.

Glenn W. Holcomb, professor of structural engineering, has been elected to a three-year term as a national director of the American Society of Civil Engineers. As such he will help formulate policies of the society's 27,000 professional engineers . . . The highest honor attainable in the national Future Farmers of America organization, that of honorary American Farmer, was conferred on H. H. Gibson, professor of agricultural education for 29 years, at the national FFA convention in Kansas City.

Fred Hart of Oberlin, Ohio, hitch-hiked more than 2000 miles to enroll in the school of forestry this fall. He made the jaunt in five days at a cost of \$9.96 . . . A 500-page book on six-years of the life of Robert Louis Stevenson, written by Dr. Joseph W. Ellison, head of the history department, has been accepted for publication in the fall of 1953 . . . A new all-time record number of 465 men were pledged to OSC's 30 fraternities at the close of rush week. The number last year was 327. The 16 sororities pledged 256 compared with 250 a year ago.

thodist Church in Vancouver, Wash. They will live at King Tower apartments. Maxine is continuing her work as dietitian in charge at Doernbecker Hospital and Harry is District Sales Manager for Polmar Inc.

### Born

**Pagter**—Mr. and Mrs. Larry Pagter are the parents of a son, John Lawrence. He was born March 2.

**Werth**—David Frederick was born June 3 at Astoria to Mr. and Mrs. Harold Werth (Gloria Engbretson, '49).

**Beglau**—Born April 8 in the Albany General Hospital was Charles Ward Beglau. Parents are Rolland and Lila Beglau. Brothers are Allan and David.

**McGrath**—Son born to Mr. and Mrs. Bernie McGrath (Faye King, '47) September 26. He was nam-

ed Gary Arthur and has a brother named Bernard King.

**Mikkalo**—A son, Dustin Lee, to Mr. and Mrs. E. A. Mikkalo (Jean Morrison) of Mikkalo, Ore. on September 26, 1952.

### '49

**Chin Lee** is a lieutenant in the Air Force stationed at Mather Field, Calif. **Bob Neumeister** is now working for Palmberg Construction company in Astoria. Mr. and Mrs. **Glen Miller** (Marion Anderson, '48) are living in St. Louis where Glen is a senior medical student at Washington University Medical School. Marion has been working for a doctor for the past two years and Glen worked in an industrial clinic.

**James Boydston** is studying for his master's degree in sanitary engineering at Harvard university. He lives in Revere, Mass. Associated with his two brothers in a chick hatchery in Missoula, Mont. and a poultry packing plant in Butte is **Bill Norwood**. **George Weddell** recently returned from a year's duty in Korea with the Air Force as a captain. He was engaged in airfield construction and rehabilitation. In civilian life George is working as a civil engineer in Sacramento, Calif.

**Dale Curry** is working for Sharp and Wolme in Portland calling on doctors and the drug trade as of August. **Roy Larson** is still working for the power and light utility in Snohomish, Wash. but has transferred into the general accounting section. Roy writes that he recently played golf with **Howard Dunn** who is a salesman for Allis Chalmers.

**Ensign Alfred C. Holmes** has been attached to a triangulation party that has been working in Kentucky, Indiana, and Illinois. Holmes and his family have been living in a house trailer for the last year. **Gordon Linn** is employed as a meter and relay maintenance engineer with the Pacific Power and Light company in Yakima, Wash. **Manley Jansen** is in the radio-TV-music business with father in Watsonville, Calif.

**Glen Ware, Jr.**, was recently graduated from the air force officers candidate school at Lackland Air Force Base, San Antonio, Texas. He received a second lieutenant's commission. **Walt Schroeder** was separated from the service September 10 at Fort Lewis. He spent two years of service with the occupational troops in western Germany. He will rejoin the state extension 4-H staff as a county leader. **Tom House** is assistant secretary-treasurer of the Northwest Cannery association. Mrs. **William McClenaghan**, the former Norma Lou Kroeger, is teaching commercial subjects in Corvallis high school this fall. **John L. Wright** is an engineer in Van Nuys, Calif. **John H. Fraser, Jr.**, and his wife returned recently from a convention in San Diego, Calif. for the county supervisors association. John's work involved getting together and making arrangements for the convention annually.

### Married

**Trebelhorn-Linn**—Betty Trebelhorn and Gordon Linn were married September 13 in Portland. They are now living in Yakima, Wash.

**Dumas-Allison**—Mrs. Donald Mark Allison was Goldie Ruth Dumas before her wedding September 6.



Lt Col. Joseph H. Selliken, '50, is playing an important role in the Air Force's huge buying program. He has been assigned to the Air Material Command's procurement division at the Wright-Patterson Air Force Base, Ohio since his recall into service. In this division Col. Selliken works closely with manufacturers to coordinate production schedules for aircraft engines slated for delivery to the Air Force.

Colonel Selliken was graduated from OSC in 1950 and also received his masters degree in mechanical engineering in 1951. Previous to his recall Colonel Selliken had been associated with Boeing for the last year. During World War II he served with the Training Command in the U. S. and reactivated the 19th Bomb Group which saw service in the Far East.

### Died

**Mack**—Mrs. W. Lee Mack, formerly Monta Montgomery, died in Vancouver, Wash. recently. She had been teaching in the Portland school system. While at OSC she gained reknown as an accomplished violinist. She was a member of the college orchestra.

### Born

**Neumeister**—Mr. and Mrs. Robert Neumeister are the parents of a daughter born May 3. She was named Sally Ann.

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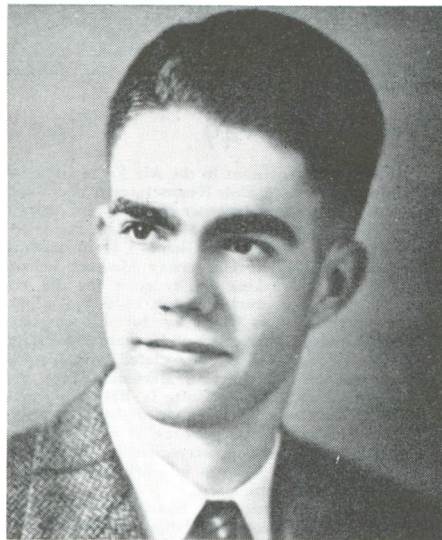
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Bruce K. Nichols, '49, topped a field of 22,050 candidates in a recent certified public accountant examination to win the Elijah Watt Sells Gold Medal, the American Institute of Accountants announced in October.

Bruce received the award on October 7 at the annual meeting of the national professional society of CPAs in Houston, Texas. The examination is given twice a year in the 48 states, the District of Columbia, Alaska and Hawaii.

At the present time Nichols is completing the work for a master's degree in business administration at Northwestern University in Evanston, Ill. He is associated with the CPA firm of Arthur Andersen and Co. in Chicago.

Kennedy—Mr. and Mrs. Donald R Kennedy (Gloria Stewart '47) are the parents of Susan Gayle, July 4.

Allison—A six pound 9½ ounce girl was born September 21 to Mr. and Mrs. Jack Allison of Corvallis.

'50

Rosewell Ten Eyck is a logging engineer at North Bend. Margie Kawasaki is a dietitian in San Francisco. A research engineer for the Union Oil company research center at Brea, Calif. is Don Mabon. Robert Schierman recently changed jobs at Boeing Airplane company. Bob is now an experimental flight test operations and analysis engineer.

Douglas Blair is foundry superintendent for the Holt Equipment company of Independence. The Blairs live in Monmouth. Lowell (Mike) Michels is working for the Bendix Computer Division, Bendix Aviation Corporation, Los Angeles. The division is designing and manufacturing electronic computers. Richard May is also working in the same group. Mrs. May is the former Shirley Simons, '53.

Willard Berry is employed as a Forest Inspector for the Oregon State Board of Forestry with headquarters at Sweet Home. First Lt. Raymond Hare writes that he is finally near home with the assignment to the 317th Fighter Interceptor Squadron at McCord Air Force Base, Wash. flying the F-94's. Ray says he has met several OSC students and alumni since being stationed there, including, Fred Moe, '49, Dale Downing. Secretary the past year for W. H. Rambo, Industrial Plant Engineers in Portland is Diane Paulsen.

Mike Rothwell is working as a structural engineer for Peter Kiewit Construction company on a canal project about 25 miles north of Pasco, Wash. Wally Richer is teaching the seventh grade and physical education at Ainsworth school in Portland. The David F. Glennons recently purchased a new home in Olympia, Wash. David is working for the Bucoda Planing Mill as superintendent. Don McCurdy writes from San Francisco that he is no longer sailing on the Matson line. He is now working in Matson's main office, freight traffic department. Don says that there are many Staters in Bay area . . . Gordon and Betty Biglow, Barbara Sausen, '52.

Bob and Margie Steagall have a new home in Albany. Bob is working at Wards in Albany. Joe

## Stadium Story

(Continued from page 3)

feet above sea level with the field 38 feet below the top of the stands and 20 feet lower than the land the nearby coliseum is on. There will be 40 rows of seats on each sloping side with each holding around 7,500 fans. In the two ends there will be approximately 10,000 seats . . . 2500 concrete and 2500 bleacher seats on either end. Thus the whole stadium will be bowl in shape.

Alumni Stadium Chairman Charles Parker, a noted construction man, said that the first phase will have just the bare trimmings but that the stadium would be "cheaply but solidly constructed."

April will mark the end of the years-long financial drive. Collections are coming in well and the stadium committee expects that almost all of the pledges and cash needed by April will be forthcoming to put over the drive. A scroll of all contributors will be made and displayed in the Memorial Union upon completion of the project.

**Eds Note:** The following is excerpts from letter of Warren Reid, former Stadium Campaign Director.

*"Since it seems impossible to write everyone personally . . . I would like to use the Oregon Stater to express my thanks and appreciation to the thousands who gave and the hundreds who worked to produce Oregon State College a new football stadium. Good luck on completion of the project. Anyone in or visiting the Midwest please look us up."*

Warren Reid  
221 Willard Ave.  
Warren, Ohio

Selliken was recalled to active duty in July as a Lt. Col. at Wright-Patterson Air Force Base, Dayton, Ohio. In the army is James Ziegler. Frank Wilson is a sophomore in the Oregon Dental school. Charles Hull is associated with Goffs Pharmacy in Forest Grove. The Hulls have just purchased a new ranch-style home. Don Watson was recently released from the navy and has accepted a position with the Bureau of Standards in Washington, D.C.

Ernie Neal is basketball coach at Siuslaw High school in Florence. George Blinco is employed at the American Mail Line, Ltd. The Grant Wades are living on a ranch near Condon. Glen Lundeen has been appointed head of the horticulture department at the American university in Beirut, Lebanon. Lt. Calvin Hockema is aboard the LST 1068 in Korean waters. Milton Larson is an instructor in the mechanical engineering department at OSC. He recently graduated with a masters degree at Yale. Karl Robe is assistant editor of Food Processing magazine, a trade journal published in Chicago.

Dr. George L. Humphrey is assistant professor of chemistry at West Virginia University. Wally Staatz is the Republican candidate for state representative of Washington's 25th district. Lt. William D. Doggs is still stationed at Fort Sill where he is attending school. Lt. William Glass recently finished an Air Force flight school and received rating of aircraft observer. Lt. Frederick Smith was promoted to lieutenant junior grade June 5. He is serving aboard the USS Frontier in the far east. He hopes to be back in college next fall term. William Bennett is employed as pharmacist at Chapmans in Roseburg. His wife Naomi Schudeiske Bennett is employed as pharmacist at Modern Drugs in Sutherlin. They have a boy Michael Zachary who is 10 months old.

Sgt. Dean Aspinwall expects to be rotated home from overseas soon. First Lieutenant Dale Downing and wife (Betty Lou Vogelpohl) and two boys, Stephen, three, and Patrick, one, are in Tacoma,

## Raising Cattle, Peppermint a Big Job



Oregon Stater Jack Sather raises Brahman cattle; thinks they have Northwest future

**A** BUSY MAN these days is Jack Sather, 42, of Clatskanie, Ore. If he isn't raising a peppermint crop he's raising registered Brahman cattle. That's enough to keep any man hopping.

After graduation with a Farm Crops major in 1942 Jack remained on at OSC for graduate work until 1943. From September 1943 to December 1947 he was a member of the Farm Crops staff with duties of teaching and research on hops and fiber flax.

In 1948 Jack branched out for himself and began farming at Clatskanie. His herd of Brahman cattle is one of the few registered breeding Brahman herds in Oregon and Jack is convinced that this type of cattle have a

great future for crossbreeding in the future beef industry of the Northwest.

Jack married an Oregon Stater by the name of Sheverly Nusom in 1942. They have three children, two boys, eight and five years, and a girl seven.

Jack's other activities are many. He has been chairman of the Oregon Essential Oil Growers League for the past two years. He is also chairman of the State Weed Committee of the Seed League for two years and at present is chairman for a state weed conference. Jack is also chairman of the local Clatskanie Conservation district board of supervisors and a member of the Oregon Agriculture research advisory council.

Wash. Dale is stationed at McCord AFB in the 318th Fighter Interceptor Squadron. He flies F-94's. The Downings came to McCord in June from Panama City, Fla.

### Born

**Blair**—A daughter, Christine Marie, was born February 27 to Mr. and Mrs. Douglas Blair. She has a brother aged two.

**Clark**—Reverend and Mrs. Robert F. Clark of Newport are the parents of a boy, David Robert. He was born August 9. Clark is the Presbyterian minister at the Newport church since June 1.

**Wade**—A son, David Allison, was born to Gay and Wade May 3. The Wades also have a daughter, Kathy.

**Hartung**—Mr. and Mrs. Thomas Hartung have a son born July 10. He was named Kurt Broders.

**Steagall**—On April 26 Mr. and Mrs. Robert Steagall were the parents of Donna Suzanne. They live near Albany.

**Neal**—Born to Mr. and Mrs. Ernest Neal (Ellen Williams, '49) a son, Dan Ernest, on June 28. They have another son, Steven who is three years old.

**Morgan**—Mr. and Mrs. Norman R. Morgan (Elmerjane Carlson) are the parents of John Norman. He was born March 2.

**Frazer**—Scott Brian was born June 28 to Mr. and Mrs. Bruce D. Fraser of Portland.

### Married

**Phelps-Dalles**—Mary Frances Phelps married Frank R. Dallas August 16 in the Mount Tabor Presbyterian church. They now live in West Linn.

### '51

Bob Hockett is in the navy's officer's candidate school at Newport, R.I. He returned to the navy in June. Larry David Woodell is in the Marines. Jackie Jacobs is living in San Francisco and is a

chemist for National Glaco chemical company. Allen K. Haller is with the 65th infantry regiment in Korea. Second Lt. Robert Westhefer is in the maintenance squadron of the Air Force. Mrs. William R. French, the former Joan Westgate, is a secretary at Doernbecher hospital in Portland.

**Dean Werth** is a chemical engineer for the Pennsylvania Salt company in Portland and his wife, Patricia Loehner, '53, is a student at Portland State Extension Center. **William Smith, Jr.**, is working for his doctor's degree in chemistry at OSC. He will take a position in atomic research with General Electric at Schenectady, N.Y. when he finishes his degree. His wife is the former Ruth Miller, '45. **Cecil Boyd** is a mechanical engineer at the Hanford Atomis plant at Richland, Wash. **Jim Agee** is with the Oregon State Board of Health. An operations trainee with Shell Oil company is **Victor Dyck**. **Leland Fortner** is a lieutenant in the Marine corps. **Charles Coffee** is a chemical engineer, sales department, in Pocatello, Idaho.

Distributor of Boyd's Products in the Centralia, Wash. district is **James Burleigh**. **Charles Coey** is working as a cost accountant for Electric Steel Foundry company in Portland. **Mrs. Philip Hampe**, the former Marjorie Converse, is living in San Anselmo, Calif. where her husband is in his senior year at San Francisco theological seminary. Marjorie is teaching kindergarten in the mornings and taking a few classes at seminary in the afternoons. She writes that she has had much fun working on the Bay Area Council of Churches television show "Faith of Our Fathers". **Glenn Johnson** is working on masters degree at Colorado university. **Bill Krieg** is working for the Copeland Lumber company in Portland.

**Dana Collins** is in Korea with the 24th Engineers Construction group. Employed the past year as a chemist for the Shell Development company is **Esther Pezoldt**. She lives in Berkeley, Calif. **Howard Workinger** lives in Eugene and is employed by the Giustina Veneer company. **Dwight Averill** teaches

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WHEN Bill Luxton left Oregon State in 1916 he hadn't much of an idea of what his life's work was to be. In school he had taken one subject after another, played in the band under Captain Beard, took some business administration, also some journalism courses and at one time wrote for the *Barometer* sports section.

After leaving Oregon State Luxton went to Panama for two years as auditor of the Panama Sugar company, a new plantation that had to be carved out of the jungle for cattle and sugar cane. Then came World War I and he left the Canal Zone where he was in charge of motor transportation and then the property survey section of the government while waiting for his commission to come through from Washington.

After the war was over Luxton accepted a commission in the reserve corps as a captain in the motor transport service and ended up after that by selling Fords in Idaho in the early days of cars.

After seeing the bank failures in Idaho in 1922-23 Luxton headed for San Francisco where he was associated with the Toledo Scale company and then finally selling work clothes and shirts just before the depression hit. He returned to Long Beach prior to the earthquake in 1923 and was active in reserve officer affairs. When the earthquake hit he was called in to help administer the relief work and was put in charge of feeding and housing and thus attained the rank of major. Luxton eventually tried the building construction line but after three years sold out and went into the oil business.



When the Japanese war was beginning to look bad Luxton held a multitude of duties such as administering to oil and gas storage and warehouse space, training and drilling draftees, director of supply at Camp Hathawa at Vancouver, Wash., among other duties. Later he was assigned to Camp Adair outside of Corvallis and in 1947 was classified and retired.

After leaving the army he returned to Long Beach where Luxton resumed his work in the oil business as an oil and gas broker.

in the Bay City high school.

Arthur Hough is with the First Cavalry Division in Japan. Dick Gray, former OSC grid star, was recently named head basketball coach at Benson Tech in Portland. Pat McHugh took a summer vacation in Europe, visiting Italy, Switzerland, Germany, Denmark, Sweden, Norway, Scotland, England, France, Spain, and Gibraltar. Erland Anderson played softball for the 1952 softball champions, The Western Veneer team.

Robert Crawford is now employed by the McMillan Drug Store in Bird City, Kan. John Carlson, Jr., was recently discharged from the navy on June 30. He is now employed by the Aluminum company of America at Vancouver, Wash. Gerald McConkie has been in Korea with the Marines since June.

### Married

Peart-Johnson—Glenn R. Johnson and Rose Marie Peart, '52, were married recently and are now living in Boulder, Colo.

Herd-Krieg—Married January 12 was Barabara Herd, '45, and Bill Krieg, '51. They are living in Portland.

Lochner-Werth—Patricia Anne Lochner was married in August to Dean Erwin Werth at the Methodist Episcopal church in Corvallis. They now live in Portland.

Fleischman-Dentel—Married the last day of August was Phyllis Amelia Fleischman and William C. Dentel. They were married in the First Methodist church in Corvallis.

McKinney-Hamilton—Lila Jean McKinney was married on July 12 to Floyd D. Hamilton, an attorney practicing in Portland. Lila works for the U.S. attorney.

Radabaugh-Henderson—Married August 12 were Diane Radabaugh and Gordon L. Henderson. They will live at Valdosta, Ga. where Gordon has recently been assigned to the auditor generals office at Moody Air Force Base.

### Born

Averill—Born in February in Tillamook was Suzanne Marie Averill. Her parents are Mr. and Mrs. Dwight Averill of Bay City, Ore. They have another child, Douglas Alan.

Henderson—Mr. and Mrs. Leland B. Henderson of Fullerton, Calif. are the parents of a daughter, Meredith Christine Henderson. She was born June 21.

Haller—Nancy Kristine was born August 15 to First Lt. and Mrs. Allen Haller (Mary Barnes, '48). They also have two boys Mark and Jeff.

Krafve—A daughter, Karen Linn, was born August 26 to Mr. and Mrs. Harold Krafve. Mrs. Krafve is the former Phyllis Brown.

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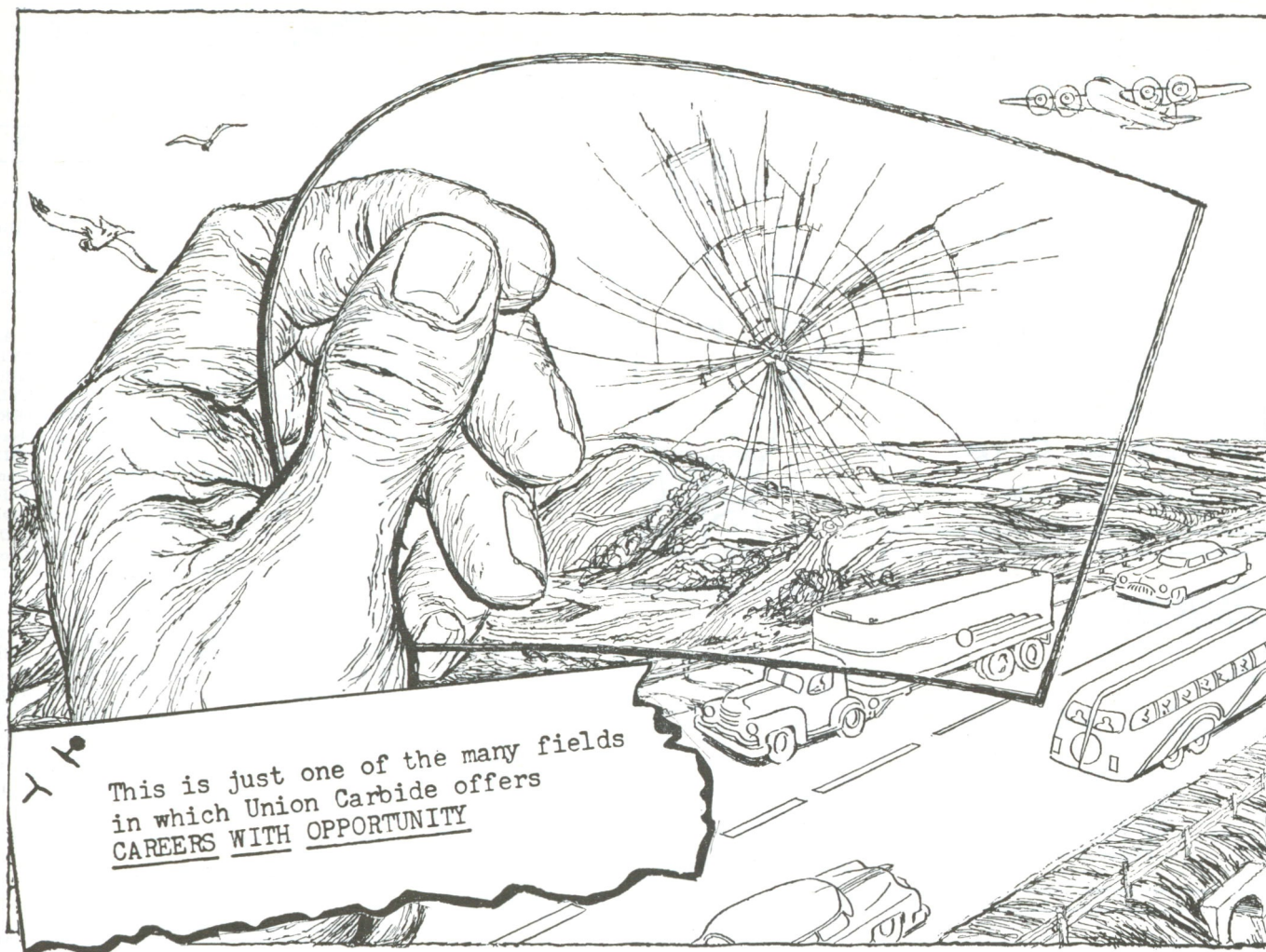
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'52

Patricia Foster is a home economist for Pacific Power and Light company and lives in Sunnyside, Wash. John Rearden is in the Air Force. Rex Vollstedt and wife, the former Jeannette Workman, live in Spokane where Rex is in the Air Force. Howard Juell and wife Jerry live in Van Nuys, Calif. Harry Weinert is in the Air Force stationed at Lackland base near San Antonio, Texas. Working as a mechanical engineer for the U.S. Army Engineers, Portland district, is Frank Bertinchamps.

Bob Wilson is farming and lives near Albany. Harry D. Larson is studying at New York University's School of Retailing. Also studying during the next year at NYU retailing school is Lee Gerold. Patsy Joan Addington is beginning a three-year assignment this fall in Malaya under sponsorship of the Board of Missions of the Methodist church. She



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will teach home economics at Lady Teacher Girls' School in Taiping, about 400 miles from Singapore.

Allison Logan is in England studying at Bedford college at the University of London. Don Lindquist has received a commission in the U.S. Public Health service and is to be located in Savannah, Ga. Sally Shideler is working for the San Diego, Calif. city and county public school system. She will be with the camping program on the staff at Camp Cuyamaca near Descanso, in the mountains east of San Diego.

Arlene Thompson is teaching physical education in the North Bend high school, Laudie Adamski is now working at the Fullerton Rexall drug store in Roseburg. Norman Lindburg recently received his commission as an ensign from the 13th naval district. He graduated from the reserve officer candidate school at Long Beach, Calif.

Clayton W. Knodell is a public accountant for Peat, Marwick, Mitchell and company in Portland. The Knodells have one child aged three months. An engineer for Collins Radio company at Burbank, Calif. is Donald James Higgins. Leonard J. Weber is employed by Bell telephone laboratories in New York. He and his wife, the former Barbara Burtner, '53, are living at East Orange, N.J. Osgood Munger is a chemist for the Oregon Pulp and Paper company.

#### Married

Rutquist-Weiss — Grace Memorial Episcopal church in Portland was the scene of the wedding June 21 of June Carol Rutquist and Leslie Stewart Weiss.

Sauter-Brewster—Married June 2 at Hinson Memorial Baptist church in Portland was Suzanne Ruth Sauter and Donald Jack Brewster. They will live in San Antonio, Texas.

Owens-Bogard—Loma Louisa Owens married Forrest Randolph Bogard at the Methodist church in Roseburg.

Chang-Chiu—Married June 12 in Portland was Katherine Chang, '53, to Arthur Chiu.

Workman-Vollstedt—Jeannette Iren Workman and Rex Arthur Vollstedt were married June 22 at the First Presbyterian church in Cottage Grove. They will make their home in Spokane.

## Oregon State Alumni Association

November 1952

Vol. XIII, No. 2

President—MARK CORWIN, '39, Eugene.

Vice President—CLINK DAVIS, '40, Oswego.

Treasurer—HAL WHITESIDE, '33, Corvallis.

Alumni Director—ROBERT P. KNOLL, '48, Corvallis.

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## The Oregon Stater

Editor—TED CARLSON, '50.

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Widmer-Goudy—Mrs. Alan Collins Goudy, formerly Jane Vivian Widmer, was married May 9 at the First Methodist church in Portland.

Goodrich-Bachle—Jean Carol Goodrich was married to Jerry W. Bachle at the Portland Grant Park Baptist church. They will live in Newport.

Woods-Rearden—June 1 was the wedding date of Mary Ann Woods and John Frederick Rearden. The event was held at the Good Samaritan Episcopal church in Corvallis.

Houston-Pratt—Shirley Ann Houston became the bride recently of Elvin William Pratt in Portland.

Purdy-Christensen—Geneva Dawn Purdy and Darrell Deane Christensen were married August 16 at the First Presbyterian church of Albany. They will make their home in Bandon.

Osborn-Rondeau—August 10 was the wedding date of Sally Dean Osborn and Robert Noel Rondeau. It was held at the Good Samaritan Episcopal church in Corvallis.

Carlson-Wilson—Married June 15 was Robert Keith Wilson and Jean Glee Carlson, '53.

Skelton-Kaegi—Married in September in Portland at the Central Lutheran church was Joanne Elizabeth Skelton and Richard Marvin Kaegi. They will live in Portland.

Gratton-Davids—June 16 was the date of the marriage of Mary Louise Gratton. They will reside in Santa Monica, Calif.

## Classified Directory

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### Investments

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**McCurley-Northrup**—Married September 7 at the Corvallis First Methodist church was Gretajo McCurley and Robert Northrup. They make their home in Portland.

**Kach-Day**—Carolyn Mae Kach and William Robert Day were married August 11 at the First Presbyterian church in Portland. They will live in Portland.

**Healey-Ploense**—Frances Louise Healey and Harold C. Ploense were married recently in Portland at the Westminster Presbyterian church.

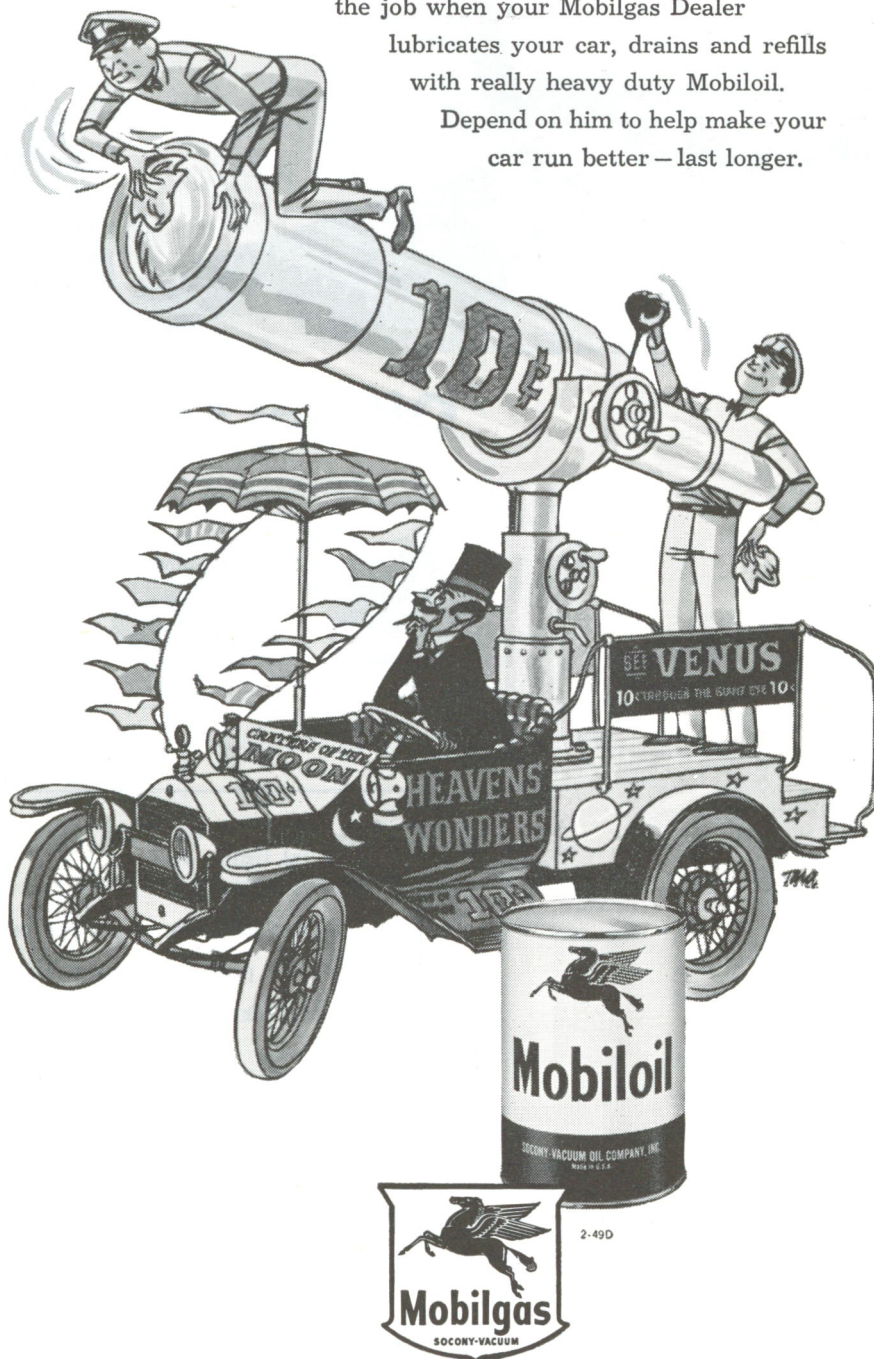
**Adams-Fish**—Married August 30 in the Corvallis First Christian church was Mary Adams and Thomas E. Fish. They will be residing in Washington, D. C., where Tom is stationed with the U. S. Air Force.

**Dickinson-Helgason**—Marilyn Ruth Dickinson married Jan Halldor Helgason September 7 at the Good Samaritan Episcopal church in Corvallis. They will live in Corvallis while Jan is taking post graduate work in food technology.

**Beckley-Moffitt**—The Federated Church of Corvallis was the scene of a September 7 wedding of Rose Marie Beckley and Richard L. Moffitt. Dick is in the navy and the couple will make their home in Long Beach, Calif.

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