Dornfeld

Research at OSC (page 3)

The OREGON STATER

FEBRUARY 1955

The College

OREGON STATE students packed the home economics auditorium January 11 to hear the renowned Dave Brubeck jazz quartet. Time magazine recently had Brubeck on its cover and featured the piano player as the essence of the new jazz boom.

Insurance: Over 2000 insurance policies have been sold during the year to OSC students. The insurance covers the student by the term or year. Costs are $1.50 per term or $4.50 per year. The policies are sold through the auspices of the Mutual Benefit Health and Accident association of Omaha. The insurance coverage to students has been offered at OSC since 1953.

Left: Dr. D. D. Bolinger, associate professor of physics, recently joined the OSC technical assistance team at Kasetsart university in Thailand. Bolinger is the fifth staff member to go to Thailand under a 30-month technical aid program. The OSC team of scientists are assisting the university in teaching and research problems. Dr. Ira S. Allison, chairman of the geology department, is chiew adviser of the OSC staff members in Thailand.

Debate: State Senators Democrat Monroe Sweetland and Republican John Merrifield debated the subject "Politics and Science in Our Time" January 18 on the OSC campus. Half-hour talks were given by each senator and were followed by an open forum of questions and answers.

Reversal: The men at OSC get a chance to retaliate for all the campus queens when one male will be chosen King of the Mortar Board ball on February 5. The King must be a senior man in good standing.

The Stage: "The Country Girl" and "Sabrina Fair" are two of the plays to be presented by the OSC department of speech Winter term.

Research: More than $250,000 has been given to OSC by the Atomic Energy Commission the past five years for research. This year the College has five atomic energy contracts totaling nearly $45,000. They cover research on 2,4-D amino acids, plant uptake of radioactive phosphorus, fruit metabolism and chemistry of nonwater ionozing solvents. Oregon State is doing research on "cold sterilization" of meats by irradiation at the present time.

Spud Problem. Myron Cropsey, associate professor of agricultural engineering, has taken a three-month federal consultant assignment in Peru. He will be a consultant on potato storage problems on invitation of the Peruvian ministry of agriculture. Cropsey had worked on potato storage problems for the Portuguese government in 1949.

Editor: New editor of the OSC Barometer is Dick Coyner of Tulelake, Calif. Coyner was appointed editor at the beginning of Winter term to replace the Fall term editor who failed to make a C average Fall term. Coyner edited the 1954 Beaver yearbook and has been president of Sigma Delta Chi, men's professional journalistic fraternity. He is also vice president of Blue Key, a member of National Collegiate Players and Masque and Dagger, and Delta Tau Delta.

Modern: "American Painting, 1954" is the title of the art exhibit being shown in the Memorial Union concourse in January. The paintings show all the directions of modern art, from realism to abstractions. A prize of $25 is being awarded to the OSC student writing the best essay on "What I See in the Painting of Today." The essays will be a thoughtful criticism or appreciation of the paintings.

Down: Fall term statistics show that one out of every five students at OSC dropped below a "C" average. Almost half of the deficiencies occurred in the freshman class, where 560 dropped below the 2.00 mark. Of the 4807 undergraduates enrolled last term, 23.9 per cent of them, 1157, failed to maintain a satisfactory standard. Of this number, 52 were suspended by the academic deficiency committee. Out of the Rook class of 1771 members, 32.6 per cent of the freshmen were below a "C" average. This is far above the usual 25 per cent of past years.

Vacated: Because of low grades 68 men student officers and two women student officers had to vacate their offices. Other campus positions vacated were 29 house officers, 13 club officers, 9 house vice presidents, 5 honorary officers, 5 Thanes, 4 Associated Independent student representatives, 3 class officers, 2 Beaver staff members, 3 Barometer staff members, 1 house president, 1 inter-hall council member, the OSC yell king and the Barometer editor.

Increasing: The number of visitors to view the relics of OSC's Horner museum during the past year has doubled since 1948. The guest register during 1954 was signed by 26,365 visitors.

Campus Calendar

February

1	Prof. Joseph Brye, pianist
2	Convo—T. V. Smith, poet
4	Swimming, Oregon at OSC
5	Mortar Board Ball
9	William Warfield, Baritone
10–12	Speech Dept. Play
11	Swimming, WSC at OSC
	Panhellenic Sing
12	Swimming, Idaho at OSC
11, 12	Dad's Weekend
14, 15	Basketball, Idaho
16–18	Seahorse Water Pageant
19	Engineers Ball
	Fernhoppers Banquet
25	AWS carnival
	Basketball, Oregon
28	Piano-Organ, Iris Gray, Tom Roberts

March

2	Convo, Angelo Pellegrini
3, 4, 5	Speech Dept. play
5	Sophomore Cotillion
11, 12	Closed Weekend
	NCAA Playoffs

Back Again: The pet skunk of Delta Chi fraternity, "Thumpinhoister", recently reappeared after pulling a disappearing act that lasted nearly a month. Shortly after the fraternity acquired their unofficial mascot, it mysteriously disappeared leaving no clues as to its whereabouts. For nearly a month the Delta Chi men wondered where their pet had gone but the mystery was solved when a closet door opened and "Thumpinhoister" emerged. Apparently the skunk had gained access to a space between the closet walls and had been living on mice and licking water from the steam pipes between those walls.

Prof. Mitchell Dies

CHARLES B. MITCHELL, 68, professor emeritus of speech at Oregon State and for 32 years a staff member, died of a heart condition January 11 in a Corvallis hospital. He had been in the hospital 10 days. Mitchell retired from his position as professor of speech and head of his department in 1952 and worked part-time in 1952-53.

He was born October 12, 1886, in Lebanon, Ind. In 1904-05 he attended Herron Art Institute in Indianapolis, Ind., and entered DePauw university at Greencastle, Ind. in 1907. He received a bachelor's degree at DePauw in 1911.

In the same year he entered the University of Michigan at Ann Arbor, and a year later he received his master's degree at the same institution. During the same time he worked as a graduate assistant at Michigan.

In 1912 Mitchell joined the staff at Michigan agricultural college, now Michigan State. He was on the faculty there for eight years, first as an instructor, then as an assistant professor, and finally as an associate professor of public speaking and debate in 1919.

He was assistant manager of the Cincinnati, Ohio branch of the J. Walter Thompson company National Advertisers in 1918-19 while he also held down his professor's position at MSC.

He came to Oregon State in 1920 and established the department of speech, the first one in the Pacific Northwest. He was

head of the department and also held the position of professor of speech and debating.

Mitchell was director of the Oregon State debating team for several years, and in 1925 and 1927 he had such an outstanding record that he was able to send his debate team across the United States. They won many contests.

Mitchell was also responsible for the first radio department in the Northwest and was instrumental in the development of the present college playhouse. He also established the first speech clinic in the Pacific Northwest.

Mitchell was a member of Phi Kappa Phi, scholastic honorary; Pi Epsilon Delta, national collegiate players; Phi Mu Alpha, music and drama honorary; Mask and Dagger, drama honorary; National Association of Teachers of Speech; Western Association; Pacific Forensic League; Triad club; charter member of Lions club; Beta Theta Pi, social fraternity; Corvallis Chamber of Commerce; Lions International; and the Comedy club of the University of Michigan. He was listed in "Who's Who in America."

He is survived by the widow, and a son, Joseph D. Mitchell of Portland.

Gill Disciplines Star

WADE "SWEDE" Halbrook, OSC's 7-foot 3-inch center, was suspended from the Beaver basketball team January 17 for what Coach Slats Gill termed "not doing the things that an Oregon State basketball player is expected to do."

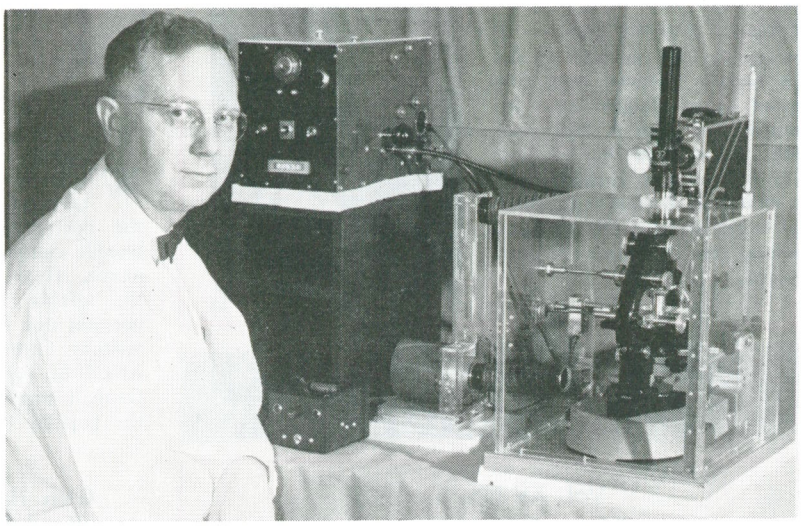
The suspension came just a few days before the important series with Oregon. Oregon State at the time was leading the northern division with four wins and no losses while Oregon had a five win one loss record. Whether Halbrook would return to the OSC team and just how much his loss would affect the Orange and Black chances for a second straight northern division title was a matter of much conjecture on the campus.

Swede was chosen on the all-coast first team last year as a sophomore and scored 614 points in the season. This was a new individual scoring record at OSC for a single season. For the four conference games this year that Swede played the "worlds tallest basketball player" hit 23 field goals in 41 attempts for a fabulous .561 shooting average. He had dropped in 14 out of 23 from the free throw line and had collected 35 rebounds. His replacement, seven foot sophomore Phil Shadoin, was slated to get the call in the starting lineup in the event Swede didn't return to the team.

As it turned out, Halbrook watched from the stands in Eugene as his team mates won their fifth straight game by whipping the second-place Ducks in the opening "Civil War" game. Coach Slats Gill said just previous to the game that Swede had indicated a desire to live up to his responsibilities in college and on the hoop squad. Slats believed that Swede's changed attitude justified the star center's return to the team.

Halbrook rejoined the team for Saturday's game in Corvallis but played less than five minutes. OSC won its sixth straight conference game 56 to 54 in an overtime game as Ron Robins sank a two-handed set shot from the corner with just four seconds remaining.

OSC RESEARCH



Dr. Dornfeld with equipment to take time-lapse motion pictures of living cells.

By Fred Zwahlen
OSC News Bureau

First of a series

SCIENCE research dominates a large part of Oregon State College's work. This can be shown by the more than $1,000,000 invested in scientific research at OSC each year by private and federal foundations and agencies.

But this isn't all. More than 375 active research projects at OSC and at the 13 branch experimental farms and stations are operated by the state-financed agricultural experiment station.

Some $170,000 of the ag research money comes from private gifts and grants. Another $2,700,000 annually comes from legislative appropriation. Ag research is on beef cattle, wheat smut, new fruit varieties, waste ocean fish, and so on.

Research contributes to knowledge, to training of scientists, and to better living. Confidence in OSC scientists and their research techniques is shown by the reputation of the contributors.

Contributors include American Cancer Society, National Science Foundation, Atomic Energy Commission, Public Health Service, Oregon Wheat Commission, Eli Lilly Company, and many others. OSC now has five Atomic Energy Commission contracts totaling nearly $45,000. AEC grants to OSC total $257,000 for the past five years.

Funds other than to agriculture are used for research on chinchillas, mathematical methods, Northwest resources atlas, insect metabolism, cancerous cell growth, electrical transmission lines, and road bed structure.

Research falls into two categories: applied and basic. The applied part is easier to understand. An immediately useable result comes from applied research. For example, research showed it wouldn't harm the fur-bearing mink to eat fish. Now the mink growers use this cheap source of food.

But it is different with basic research. And this is the research which makes business reluctant to contribute to college research or strains tax dollars.

Basic research replenishes the original supply of scientific knowledge. The researcher is given a free hand to explore the workings of science with no practical goal in sight. But it is from basic research that many of the fruitful ideas spring. Accidental discoveries are not uncommon.

Cancer research is basic research. Scientists at nearly every major college and university are working on a phase of the mammoth cancer problem. Each project goes in a different direction, covers a different phase. From all the tiny pieces of research results, a larger picture is seen. New ideas emerge, new avenues for exploration are opened. The Salk vaccine, a promising drug to conquer polio, is a product of basic research.

Science has long been thought of as without a soul. The discovery of miracle drug, invention of television, development of the tubeless tire—all have been hailed. Science has been acclaimed. But the scientist has been forgotten.

One of the scientists who deserves recognition for his research is Dr. Ernst J. Dornfeld, Oregon State College zoology professor. His work has been mainly concerned with innerworkings and growth of cells. Abnormal cell growth of a cancerous nature receives his special attention.

Supporting his work have been the American Cancer Society and the National Cancer Institute of the Public Health Service. These agencies have granted $26,000 for his studies during the past five years.

(Continued on page 10)

The Cover

Dr. Ernst J. Dornfeld, professor of zoology, typifies the spirit of the vast research program continually carried on at Oregon State. Dr. Dornfeld has been at OSC since 1938. He received his B.S. and M.A. degrees from Marquette and his Ph.D. from Wisconsin. Dr. Dornfeld is one of many OSC scientists working on important research projects.

Photo by Wally Johnson, '51

the OREGON STATER

SERVING 70,000 FORMER STUDENTS

Vol. XV No. 5

Ted H. Carlson, '50 ..... Editor

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INSIDE osc

Keene III

When Athletic Director Spec Keene was taken to the hospital just before Christmas the doctors diagnosed the trouble as heart trouble complicated with a light case of pneumonia. Heart conditions being what they are the affable Spec has been confined to the hospital bed for about a month with very few visitors. Coming at a time when Spec knew he would be needed in the seclection of a new football coach the situation must have worried the popular OSC athletic director quite a bit.

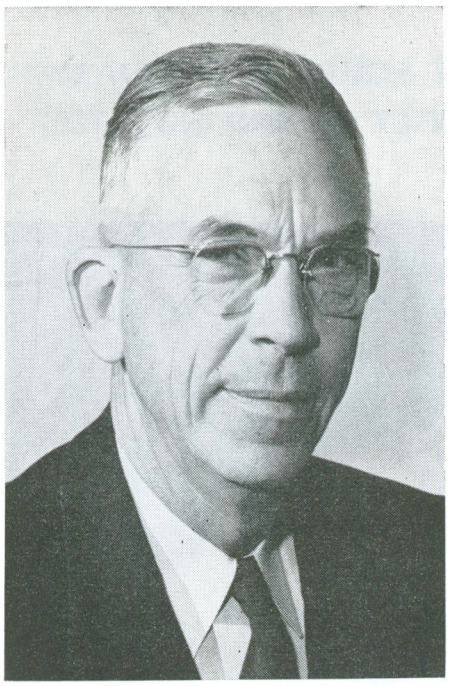
Glen Holcomb, OSC's PCC faculty representative, attended the January NCAA meeting in New York City. Holcomb took over the job of interviewing prospective coaches for the ailing Keene. Due to report back to the campus with his findings, Holcomb received word that his mother had died in Michigan. With these complications coming up the selection of a football coach was necessarily delayed. Undoubtedly the 80 plus applications for the head coaching spot are narrowed down to a few now and final interviewing will take place in early February. Spec Keene, with his tremendous contacts over the U. S., will be sorely missed in the selections but Spec must take it easy.

Look for OSC to be branching out into television soon. Faculty members are being buttonholed to get interesting programs together in their fields. Example: Prof. Joe Doakes from history dept. going on TV showing and talking about Oregon's history. Also courses in TV will be in OSC's curriculum as soon as the cameras and equipment and a studio can be obtained. Perhaps Spring term the courses will start.

Look for fraternities and sororities to be building more the next few years. Several Greek houses dickering for money and suitable spots to build. Greeks are crowded now beyond good living conditions. Most houses want easy access to campus but choice real estate is in minority. A few houses waiting for Lower Campus to be opened up for building on lease basis.

Big deal in the wind to expand the Memorial Union. The M.U. is crowded now beyond reasonable limits. Here is the way OSC will get M.U. addition. State legislature is being asked to approve a bill that will raise the present $8 million ceiling on bonds issued through the state system to over $12 million. Bonds would be self-liquidating. As it is now a technicality in the law does not even allow credit for bonds already paid off. So OSC would get bond money to cover building addition. Architect is now working on plans to expand M.U. How to expand is question without ruining the pleasing form of building. Chances are that an extension on the East end will be constructed within next few years. What would be in building? Co-op book store is crying for space; so is O club coffee shop. Popular demand will probably cause a number of bowling alleys to go in. It will be interesting to see just what is done to good old M.U.

If the previously mentioned bond ceiling is raised you can expect OSC to build another dormitory for about 300 men located next to the present main dorm. A women's dorm plus housing for married students is also in future plans. Attractive quarters for married students are necessary these days with the high ratio of students entering the wedded state. About 20 per cent of students are married.



Mankind today has brought about great improvements because of a change in man's attitude toward nature and because of a new ingredient of Western culture.

by President A. L. Strand

ONE TROUBLE with the world is that there are too many people in it who are constantly preparing and mailing out stuff which they expect other people to read. Among this large group are the professional and amateur columnists. There are some of these who ought to be dusted with parathion any day. (In case you don't know, parathion is one of the new organic phosphorus compounds that is just as poisonous to man as it is to mites.) But the time when even the best of the columnists become pests is when they run out of something to say and write a column anyway. There may be some alumni who are ready to opine that I have long since reached that stage but haven't had the gumption to realize it. However, the smallest encouragement is balm to tyro-journalists and having had some response to my remarks about intercollegiate athletics in the December issue, I'll follow the established practice of the trade and "write one anyway." Also, I have a secret ambition to write something sometime that has nothing to do with athletics and yet will attract a few readers. The difficulty of doing so may be taken as some kind of a commentary on the place of athletics in higher education at the present time. On the other hand, it may merely be evidence of a sterility of mind. Anyone can take his choice.

One thing I am sure of about Oregon State College and that is the abundance of things to write about here if one takes the time to search them out. The other evening, for instance, I had an opportunity to talk with Andy Landforce, '42, at one of the functions held in connection with the annual conference of the agricultural staff. I've been interested in Andy ever since I came here twelve years ago. He was graduated the June before I arrived and so I didn't get to meet him until after the war, but I heard much about him. He had been president of the associated students in 1941-42 and had left his mark in the campus. Of further interest to me was that, upon entering the service, Andy was assigned to training sled dogs and, of all places, was stationed at Rimini, Montana. Rimini is near Helena, where I spent some of my younger years, and is an old mining camp in very beautiful country. My family could rent a log cabin for the summer in that all but deserted place for very little money. There was never a more interesting place to explore. Every mountain had its abandoned mining shafts and tunnels. Some of the newer ones were boarded up, but there were plenty of open ones that you could enter and follow as far as you dared. My interest seemed to be inside the mountains or in shooting pine squirrels in the valleys in the easy summertime; but Andy, thirty-five years later in those same mountains, sought the heights behind his malamutes in the dead of winter, when the snow was deep and

"When the pine trees crack like guns
in the silence of the wood,
And icicles hang down like tusks under
the parka hood".

But then Landforce had to leave his sled dogs because of a transfer of duty and many months later found himself in the Battle of the Bulge. At a time in that dreadful episode of World War II when some important equipment was needed, Andy was sent to Le Havre to get it. When he mounted the deck of the ship to which he was directed, what did he find tied up there but dozens of sled dogs. Amongst them were a few who unquestionably recognized him. I don't know if Andy wept over his old friends, but he felt like it.

Well, what's Andy Landforce doing now? After working as a county agricultural agent in Eastern Oregon for several years, he was promoted to extension specialist in wildlife management. He seems to take naturally to the outdoors. He told me something more that I could hardly believe: that in Oregon there are now over 8000 fish ponds that farmers and others have developed. They grow mostly croppies, sunfish, and perch, but many have been successful in propagating trout. In some of these artificial ponds that catch the drainage from cultivated fields which have been fertilized, the fish grow to beat the band, much faster than in streams, because the small organisms on which they feed are so much more abundant. This development may be on the recreational side now, with of course some good advantages from the standpoint of soil conservation, but there'll come a time when such ponds will serve as an important source of protein in the people's diet, as well as a source of additional income for farmers. Growing fish in ponds, though is not all beer and skittles or Landforce wouldn't have much of a job. At times the fish die suddenly and the owners call for help. Frequently no one can tell why they die but, little by little, some of the answers are being discovered.

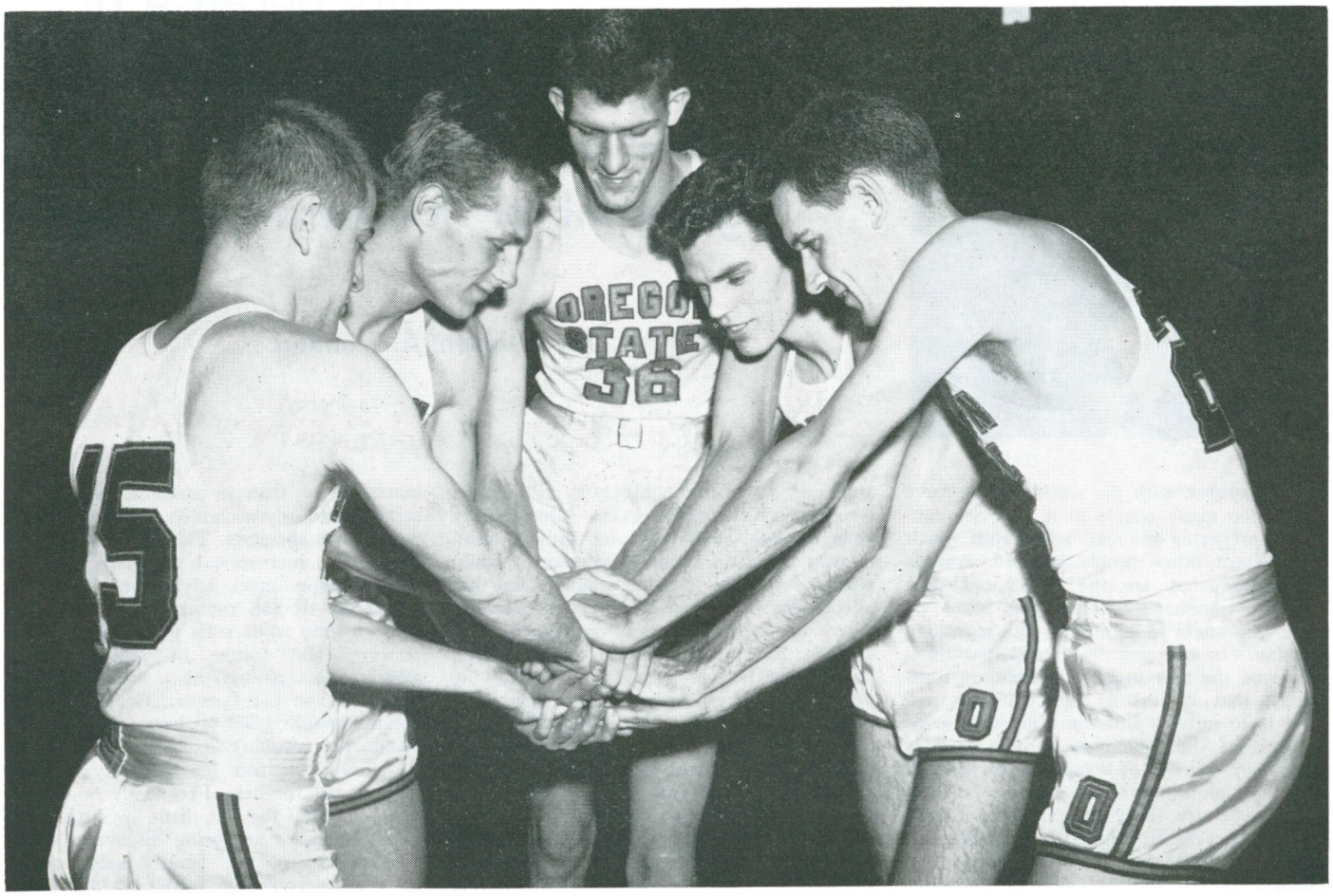
Growing fish in ponds under human control is nothing new in the world as everyone knows. It has been practiced in Southeast Asia for hundreds of years, perhaps being originally associated with paddy-rice culture. But in those older parts of the world, with the exception of places where western-minded Japanese have had a hand in it, little or no improvement has taken place from one century to the next. On the other hand, in the United States where we have been interested in pond fish for but a decade or two, it has already been shown that an incredible improvement can be made. On a pound for pound basis, more human food can be produced on an acre of water than on an acre of good soil.

Fish ponds are no better for my purpose here and for the question I wish to raise than a host of other things. I just happened to have Landforce in my mind. Why is it that western culture, as typified best by the American attitude, makes such a difference? It doesn't matter what the proposition is, growing fish, corn, or roses, stamping a brand name on an English walnut, or running down the cause of pellagra, our society has within it the formula for success. Obviously, you will say, the difference lies in the application of scientific principles. But we have no quit claim on scientific principles. We even go into parts of western Europe, which have constituted the seat of science

(Continued on page 14)

Sports

BIG SWEDE OFF AND ON SQUAD IN JANUARY AS OSC BEAVERS VALIANTLY DEFEND ND TITLE



Swede rejoined team and brought together the starters who helped win 6 in row. (Left) Ron Robins, Larry Paulus, Halbrook, Jay Dean, Tony Vlastelica.

SAILING along through the middle of January, it looked as though Oregon State had a good chance of retaining its northern division basketball title won last season. Since the return of Swede Halbrook—he was ineligible for pre-season warfare—the team had swept four straight conference tiffs and stood alone at the top of division standings. The men of Slats Gill had just belted a good Washington team into submission twice running and were looking ahead to a vital series against traditional-rival Oregon—first of the season with the Webfoots.

Many have asked the question: "It this Beaver club better than last year's fine team?" After all, Oregon State did post an impressive 19-10 won and lost mark for the 1954 campaign and lost by the narrowest of margins to Southern Cal with the Pacific Coast conference crown at stake.

Strictly as our own opinion, we would say yes, the team potentially is better than last year, though it's much too early to predict any championships or hex the squad with optimistic forecasts. Along the December exhibition slate, Oregon State managed only four victories in 10 games, yet three of the losses were by the narrow margins of two points or less. They very easily could have finished with a respectable 6-4 record. And so everyone was anxious to see if Swede Halbrook would make a difference when he returned to the lineup.

It's obvious that he did. With the 7 foot 3 inch Spire at center, Oregon State was a vastly improved ball club. There was more scoring potential, and the opposition ran up against many more defensive problems. What's more, Halbrook himself showed vast improvement in every phase of play, even though he wasn't scoring quite as many points as he did last winter.

by Johnny Eggers
Athletic News Director

Certainly an important contribution has come from Tony Vlastelica, the hook-shot king from Aberdeen. Vlastelica improved his all-around game well enough to play regular forward and carried a 14-point plus average through games of January 15. All of the 9000 fans who watched that second Washington game in Corvallis still are talking about his magnificant 33-point scoring binge against the Huskies. Coming on a night when his mates were slightly "cold," Tony hit 'em from every angle.

Out of the 15 field goals he registered, seven were of the long, set-shot variety—from 20 to 30 feet out. Four of the baskets came on his spectacular hook shots, the type people always expect him to shoot. But just to make it a complete evening, he added four more buckets as the result of the fast break—something Vlastelica fans had never before seen him do. Slats Gill called it one

of the greatest shooting exhibitions he had ever seen, but you could sense the Beaver boss was just as pleased with Tony's all-around floor game as he was with his shooting.

Ron Robins, the long-distance hitting little guard, didn't have a good shooting series against Washington, but he had proved his worth in many of the other contests. In other words, Robins always is dangerous, and the opposition scarcely can afford to leave him open for a shot. Jay Dean, the squad captain and backbone ace of the squad, showed vast improvement over last year in his shooting, too. Fifth member of Gill's starting unit as we went to press was Larry Paulus, the jumping jack from Salem. Paulus showed definite signs that he may one day attain the brilliance Slats always has predicted he would. Always tough on defense, and on the boards, Paulus began to hit the basket in the Husky series. If he could continue along that pace, he would just naturally fit in as a regular.

The reserve strength, too, looked as impressive as any in the league. The substitutes came off the bench to win one of the Washington State tilts, and probably will be called upon many times before the season ends. Fellows like Tex Whiteman, Bill Toole, Bob Allord, Reggie Halligan, Johnny Jarboe, Ron Fundingsland and Phil Shadoin are valuable to have around when the regulars falter. In fact, the reserve strength might well prove the most important factor of all when the chips are down and the final analysis is in.

Watch Gambee

Mark down the name Dave Gambee, for you'll be hearing it a lot more in connection with Oregon State basketball. Dave is the 6 foot 6 inch star of Paul Valenti's freshman team, a lad who poured in 84 point in the first four games, all of which were won by the Rooks. He's fast for a man that size, uses a deadly hook with either hand and has all the physical ingredients to become a top defensive performer. Valenti's current starting lineup has consisted of Ken Nanson (Vernonia) and Bill Fredericks (Milwaukie), forwards; Gambee (Corvallis), center; and Gordon Carrigan (Central Point) and Gary Haynes (The Dalles), guards. It's a better squad than Valenti had anticipated, and we're all hoping some of them prove to be good varsity prospects for future seasons.

Swimming Better

Art Koski, the new varsity swimming coach, has instilled a lot of new spirit in his squad. Best proof of this came in the opening meet of the season—at the state AAU championships in Portland. The Beaver mermen placed second in the team standings, ahead of traditionally-strong Oregon, and several of the boys turned in top performances. It may take Koski a year or two to get swimming back on a top plane, but we have a hunch that he will before many seasons have elapsed.

Varsity wrestling again looks promising, as it always does under the adept tutelage of Jim Dixon. The Beavers romped over Lewis & Clark college, 35-3, in their seasonal opener, winning most of the matches by pins. Best prospects appear to be Garry McClain, Mel Lehman, Art Keith, and George Meyers, although some of the others could surprise before it's all over. McClain, the 121-pounder who also has been Beaver student manager in football, will be one of the last four-year lettermen at OSC. He made the grade as a freshman, when first-year men were eligible for varsity competition. Others in that category, still in school, are Jim Withrow, Ron Robbins, Bill Toole and Tex Whiteman.

Little Ron Robins doesn't let height bother him in basketball games. Ron swished through the winning basket with four seconds left in overtime period against Oregon. Halbrook, 7-3, and 7-foot Phil Shadoin (right) get the chance to look at Ron on even terms with help of chair.

Hats off to Ralph Coleman, new president of the National College Baseball Coaches association. "Coley" was elected at the January meeting in New York city, which places OSC right in the college baseball spotlight. As a result of Coleman's election, the 1955 all-American baseball team will be announced right from the OSC campus. It will be compiled from this office by yours truly, after receiving ballots from all corners of the country.

Basketball Scores

Pre-Season

OSC	69	Hawaii	47
OSC	50	California	52
OSC	39	Santa Clara	34
OSC	43	Southern Cal	45
OSC	35	Southern Cal	55
OSC	34	San Francisco U.	60
OSC	45	Santa Clara	56
OSC	64	Seattle U.	59
OSC	68	Wash. State	48
OSC	57	Washington (overtime)	58

Conference

OSC	70	Wash. State	58
OSC	56	Wash. State	52
OSC	66	Washington	38
OSC	70	Washington	63
OSC	56	Oregon	53
OSC	56	Oregon (overtime)	54

Athletics and Alumni

by
Crawford Graham, '36
President
Alumni Association

IN PREVIOUS discussions we have covered the works and activities of several alumni board committees. Let's look at the committee on athletics.

The membership on this committee is picked with an eye toward the geographical location of the members' home town. What we want is coverage of the West Coast. We have the "geographical" part, in quite good measure. This must be implemented, obviously, by someone taking the trouble to look over the geography to see if he can find a prospective Oregon State Rook. That boy should be possessed of athletic ability in sufficient measure to be able to "Go" in the Pacific Coast Conference. Maybe we should say Go-Go-Go!

We don't intend to go into great detail as to the exact organization and how it operates. It is hoped that, from this short discussion, we can get you, and especially YOU, interested in doing your bit in helping the athletic fortunes of Oregon State.

After paying your alumni dues, the first thing you can do is join the Beaver Club. As a matter of fact it is not necessary for you to have gone to Oregon State to be a Beaver Clubber. The Beaver Club fund is used to grant athletic scholarships to those athletes who can qualify. This fund is administered through the office of the director of athletics. Annual dues are $25 minimum. Checks should be made payable to "Beaver Club, OSC." Mail them to department of intercollegiate athletics, Gill Coliseum, Corvallis.

The next thing you can do is drive all the good high school athletes in your area to the campus. You find out whether they are good enough or not by talking to their high school coach, not by talking to the parents.

It is always helpful if you know enough about the Oregon State curriculum to be able to tell the boy what schools are on the campus and in what he can get a degree. We'll list them for you: Agriculture, Business & Technology, Education (including a major in Physical Education), Engineering and Industrial Arts, Forestry, Home Economics (I know a man who's a good cook), Pharmacy, Defense Education and Science. Let's get one thing straight right now. Both pre-medicine and pre-dentistry are available at Oregon State. They are both listed under the school of science and have been for the last number of years. A great many of our alumni are completely ignorant of this fact. After three years at Oregon State plus one year at medical school our boy gets his bachelors degree from Oregon State. We should all be proud to know that for the last

(Continued on page 13)

Alumni 'Round the World

'54

Lawrence Rogoway has been stationed aboard a destroyer in Japan.

John Marshall is in the army stationed at Fort Ord, Calif. John was planning to get married during his next leave. . . . **Beverly Bradshaw** is employed in home economics extension work as an agent at large in Wasco county. . . . Mr. and Mrs. **Pete Carter** (Susanne Perrins, '56) are living at 1024 S. W. Gaines in Portland. Pete is in his first year at medical school and Sue is working as a private secretary for West Pacific Sales company in Portland. . . . **Amy Elizabeth Rehmus** and **Don Laine** were married July 11 at St. Michael and All Angels' church in Portland. . . . **Caroline Faust** is an agent at large with home economics extension in Josephine county. . . . **Marjorie Hurula** and **Clarence Eugene Kaufman Jr.** were mar ried recently in the Clatskanie Methodist church. . . . **Vivian Hinton** and **Bob Rogan** were married June 8 at the Savage Memorial Presbyterian church in Portland. . . . married August 21 were **Mary Daugherity** and **Richard Montag.** The wedding was held at the St. Rose of Lima Catholic church in Portland. Dick was called to active duty October 15 and is stationed in the air force at Edwards air force base.

Mary McConnell is extension agent in 4-H club work in Klamath county. . . . **Ed Hagemann** has been stationed at Ft Monmouth, N. J. in the army. . . . married June 26 at Christ Episcopal church in Oswego were **Frances Pat Haggerty** and **Donald Duane Sump.** Sump is a lieutenant in the marine corps and the couple have been making their home at Quantico, Va. . . . **Elaine Tamis** and **Tony Baker** were married August 29 at Westminster Presbyterian church in Portland. . . . Ensign **Jack Thomas** is stationed aboard the USS Eldorado. His wife is the former **Virginia Sortor,** '53. . . . Mrs. **Gerald Monroe** (Theodora Norton) is teaching in Portland. Her address is 2906 S.E. Clinton, Apt. E. . . . August 29 was the wedding date of **Evelyn Cook** and **Donald Ourecky.** They were married at the Corvallis First Baptist church. Don is doing graduate work at Washington State College. . . . **Bill Schell** is doing graduate work at Idaho. . . . Mr. and Mrs. **Ormond Steele** (Diann Gillis) are living at 712 South 13th in Corvallis. . . . at last reports **Floyd Stout** was in the army stationed at Fort Ord in California. His wife is the former **Mimi Kaye Becker.**

Lt. and Mrs **Robert McPherson** (Joan Hobart) are living at 1345½ Lafayette street in Biloxi, Miss. Bob is taking an air electronics officer course at Kessler air force base at Biloxi and will be there about a year. . . . Mrs. **William Verminski** (Barbara Worthy) is now living at 24 College street in Clinton, New York. . . . **Evelyn Marie Palmer** and **Harold Murphy** were married June 20 at the First Methodist church in Albany. They make their home in Portland. . . . **Alice Lehman** toured the European countries last summer. July 8 was the birth date of a daughter to Mr. and Mrs. **Jim Moser** of Martinez, Calif. Jim is now employed by Shell Oil at Martinez. . . . **Pat Horning** and **Bruce Horton** were married June 12 at the Good Samaritan Episcopal church in Corvallis. They make their home in North Bend and Bruce is working for the Coos Forest Protective association. . . **Gordon Packer**

Staters With G-E Have Chance to Aid OSC

by
Joseph H. Berry, '29
Executive Secretary
OSC Foundation

Dear Oregon Stater:

You may have seen in Fortune, Time, or your daily newspaper the same advertisement which we carry this month on page 16. There is a saying that "the Lord helps those who help themselves." Perhaps this is not from the Bible but was coined by some light-fingered individual to rationalize his weakness and fondness for other peoples possessions. Wherever it came from it certainly is pointed up in this offer which General Electric Company is making to its employees and through these employees to their individual alma maters. Briefly, the plan is this. General Electric will match, dollar for dollar (up to $1,000 during 1955) the contribution of any of its employees to the employee's alma mater.

Why are the people at General Electric doing this? Mr. Philip D. Reed, Chairman of the General Electric Educational and Charitable Fund's trustees, sums it up in one sentence when he says: "Paramount in this program is the fostering of an adequate supply of educated manpower and the maintenance and improvement of an economic, social and political climate in which General Electric can continue to do business, progress and prosper."

"The trustees of the General Electric Educational and Charitable Fund," Mr. Reed further says, "are strongly convinced that one of the greatest untapped sources of continuing support for higher education lies in regular contributions by alumni. With the backing and co-operation of the General Electric Company, the Trustees decided that a 'corporate alumnus' program, with its provisions for joint action by the alumni and that fund, would do the most to stimulate colleges and universities to develop their own alumni-giving programs and thereby help themselves."

Those of our alums who are members of the General Electric family are in a unique position right now. With this program they can, in effect, give two dollars to the college for the outlay of one. This opportunity is timely for the Foundation for we are trying desperately to get on our feet, financially, in order to do some of the things which the Foundation is designed to do and some of the things which are so needed by our college. I hope that as this

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and **Nancy Aasum** were married June 20 at the Grace Luthern church in Corvallis. Lt. Packer reported for duty in the army at Fort Sill, Okla. on September 14. . . . **Harry McLaughlin** reported to Ft. Monmouth in New Jersey in October for army duty. . . . June 11 was the birth date of Diane Jeanette, daughter of Mr. and Mrs. **William Roubal.**

Second Lt. **Robert Thoman** recently completed basic infantry officers course at Fort Benning, Ga. . . . a daughter, Suzanne Kathleen was born July 11, 1954 to Mr. and Mrs. **D. A. Beals** (Janet Clark, '51) . . . 2nd Lt. **Danny Johnston** is stationed at Cheyenne, Wyo. and has been playing basketball on the service team . . . 2nd Lt. **Marlin Thompson Jr.** is stationed in Landstule, Germany and will be there for 15 more months. His address is A 3018380, 86th Motor veh. sqd., APO 65, New York, N. Y. Marlin's wife was to have joined him in January . . . **Gordon Woodcock** and **Shirley Fuller** were married in Corvallis on Thanksgiving day. They now live in Seattle . . . **Rollin Knapp** won a $50 prize national award and fifth place in a national engineering paper contest. **Theron Skyles** and **Donald Guinn** took sixth place and $25 with their entries.

Don Foss is working for Bethlehem Steel company in Bethlehem, Penn. Mr. and Mrs. Foss' address is 1269 Delaware avenue

Second Lt. Don Wimer, '53, is serving at the Utah general depot in Ogden, Utah. Lt. Wimer is assigned to the accounting division's capital funds branch with the quartermaster corps. He entered the army last June.

. . . **Jim Demith** and **Lee Carol Wahto** were married October 16 in Corvallis . . . **Jack Van Loan** has been receiving jet pilot training at Lackland air force base in Texas . . . **Bill Trump** and **Barbara Jean Smith** were married last September in Seattle . . . also married recently were **Mary Nakata** and **Tom Fujii.** The marriage was performed in the Sunnyside Methodist church in Portland . . . **Robin White** is finishing his indoctrination training and will receive a commission in the U. S. navy . . . October 17 was the wedding date for **Ronald Henry Dalton** and **Jan Bogart.** They were married in Corvallis. Mr. and Mrs. Dalton make their home in Portland . . . also married last October were **Judith Ann Lundy** and **Charles Vaughn.** They have been making their home in Corvallis while Chuck works on his advanced degree.

Wayne Luehr was recently inducted in the army . . . married November 6, 1954 in Eugene were **Billie Hamilton** and **Hank Rupprecht.** They are now living in Texas while Hank is taking his air force training . . . **Harry Lagerstedt** is now living in Clinton, Iowa and working for the W. Atlee Burpee Seed company. His address is 846 4th avenue south in Clinton . . . in training at Fort Monmouth, N. J. are **Ed Hageman, Bob Greendale,** and **Harry McLaughlin** . . . **Noel Conway** is at George Washington university studying patent law . . . **Norb Wellman** has been stationed at ground controls school at Tyndall air force base in Florida . . . **Fred**

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year progresses that I will be able to report to you favorably on the response of our General Electric alumni.

Now that the holiday season has been tucked safely away for another year and the hustle and bustle of that activity has left us with some time to catch up on our reading and letter writing, perhaps this is a good time again to mention the desires of the School of Home Economics concerning the Peckstein painting "Mother and Child". So far the response has been zero, both favorable and unfavorable. What do you think of the idea? Do you agree that it is a fine thing to purchase this oil for one of the home management houses? Do you think that such a project should not be fostered by the Foundation? Does the idea leave you cold, or do you get good and angry when it is mentioned? How am I to know if you do not tell me? How about a letter setting forth your views?

Educational institutions, such as ours, have developed their faculties from a wide variety of sources. It is true that there are many of us here at Oregon State who were graduated here, but it is equally true that there are many who got one or more earned degrees from other institutions. Knowing this, sometime ago I had printed in the faculty bulletin a small request for information from other colleges concerning their fund raising activities. The response has been good and continues to be good. In this connection I had a long talk with Dean Maser, of Business and Technology, who earned his A.B. degree from Swathmore College in Pennsylvania. It is a private school, of course, and depends on endowment funds to keep it going. Some of this endowment is in funds which have been given to the college by its friends. From these funds interest is derived to provide operating expenses. However, Swathmore, as have other schools, has found out that the day of large increment endowments is passing and that it is the regular giving by each of its alumni that is carrying the load.

Look at it this way. If you could give the foundation a gift of $500, this could be put out at interest which, at 5 per cent would bring in $25 per year for use by the foundation. Not many of us can put up $500 in one lump sum. However, by giving $25 a year regularly to the foundation you can serve the same purpose of providing the interest on the $500 to the foundation. If you could continue this gift for 20 years you would have given the $500 but in the meantime the foundation would have had the use of the money and both of us could have a good feeling, you because you have done something for your college and I because by its wise use, the Foundation has contributed to the betterment of the educational opportunities here at Oregon State. There is food for thought here for there are few, if any, of us who have had the advantages of an education at this College who cannot afford to send something along each year to repay part of our obligation to the College and the state for our education.

I am not suggesting that you send in $25. That figure was used as an illustration. How much you send depends on how you feel and how much you can afford. As a suggestion, has your education been worth a dollar a year to you for each year since graduation?

Sincerely yours,
Joseph H. Berry
Executive Secretary

To the Executive Secretary, Oregon State College Foundation,
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OSC Research

(Continued from page 3)

Even with years of research, the chemistry of cells, the way a cell divides in growth, and the differences of cells are still basic scientific puzzles.

One line of Dr. Dornfeld's work is to find out how and why some cells grow abnormally, or turn cancerous. He's doing this by studying what role nucleic acid plays.

Nucleic acid is found in body cells. This acid is one of the keys in the growth of living cells. Cell growth can be stopped by inhibiting the synthesis of nucleic acid in the cells. Special attention has been paid to measuring the nucleic acid content of individual tissue cells and to studying the effect of these substances on the rate of cell division.

In another line of work Dr. Dornfeld has investigated the role of hormones and enzyme inhibitors in regulating the rate of cell growth. He does this through the use of experimental tissue cultures. An interesting aspect of this technique is the recording of cell responses photographically. He takes time-lapse motion pictures of the drugged cells through the microscope.

Studies of this kind contribute to our knowledge of the conditions necessary for the normal growth of cells and provide valuable clues to the reasons why cells become, as the scientists say, neoplastic, or cancerous.

Wells and **Jack Crabtree** were recently stationed in Florida at flight school . . . **Ken Austin, Ron Siefkin, John Berg,** and **Jim Heston** have been stationed at Columbus air force base in Mississippi . . . Lt. and Mrs. **David Davis** (Virginia Knox) were recently at Fort Benning, Ga. while Roger had five weeks of jump school . . . **Brock Byers, Frank Conklin** have been in flight school at Hondo, Texas . . . Mr. and Mrs. **Ed Hageman** were recent parents of a daughter.

'53

Mr. and Mrs. **Jasper Lyons** (Lucile Dahlgren. '46) are the parents of a daughter born October 30. The baby's name is Margaret Ann. Mr. and Mrs. Lyons have a boy two years old . . . Second Lt. **Don McCormick** was recently assigned to the 2nd Infantry division's 15th field artillery battalion at Fort Lewis, Wash. . . . also with the second infantry division is Second Lt. **Roderick Zielinski.** He had been stationed at Fort Benning, Ga. . . . **Oliver Jackmond** was recently promoted to corporal in Japan, where he is serving with the 29th engineer battalion. He arrived overseas in January of 1954.

Hope Holbrook was recently appointed county extension agent in Klamath county. . . . Lt. **James Poirot** is a resident engineer at an Alaskan army base. . . . **Margaret Wagner** recently completed a year of internship as a hospital dietitian at St. Mary's hospital in Rochester, Minn. . . . **Jack McLachlan** was recently appointed as teaching assistant in the botany department at Rutger university in New Jersey. . . . **Sam Baker** is doing an army stint at Fort Ord in California and has been playing football for the Fort Ord team. . . . **Dave McCormick** is a lieutenant in the army artillery branch stationed at Fort Lewis, Wash. His wife and daughter, Deborah, are with him. . . . Mr. and Mrs. **David Bucy** (Marilyn Morelock, '53) are the parents of a boy, born June 28 in Corvallis.

Mr. and Mrs. **Robert Bragg** (Mary Nixon) have been living at 2998 South Columbus, Apt. C-2, Arlington, Va. Bob is with the army engineers at Fort Belvoir and has received new orders for Fort Lewis, Wash. . . . Mr. and Mrs. **Bill Rock** (Virginia Potter) have been living in New York while Bill does graduate work at Cornell. . . . **Anne Strachan** is a home economist at Mary Cullen's Cottage at The Oregon Journal. Her address is 2030 N.W. Flanders, Apt. 201, Portland. . . . **Alice Habener** is a case worker with the Multnomah county public welfare commission. . . . **Patricia Ann Mullin** and **Wilford Dean Rock** were married July 4 at St. John's Episcopal church in Milwaukie. . . . Mr. and Mrs. **Roy Kessler** (Elva Lou DeLong) are the parents of a boy, Richard Allen, born on May 24 at the Swedish hospital in Seattle. . . . Karen Lee was born recently to Mr. and Mrs. **Tom Boardman** (Sue Myers) at the Memorial hospital in Salem. . . . Mr. and Mrs. **Merrill Newman** are parents of a daughter, Rebecca Sue, born July 8 at Emanuel hospital in Port-

Wear the OSC Ring!

For information write OSC alumni office, M.U. 103.

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E. T. EDISON, '22, E. T. Edison Agency. Real Estate and Insurance. Corner of Commercial Street at 10th, Astoria.

VIRGIL CAVAGNARO, '49, Insurance Counselor and Real Estate, Equitable Life Assurance Society of the U. S., 710 Public Service Bldg., Portland.

Investments

BURT SMITH, '48, Donald C. Sloan & Company. Stocks, Bonds, and Mutual Trust Funds. 609 Cascade Bldg., Portland.

Photography

CLAUDE F. PALMER, '22, Photo-Art Commercial Studios. Commercial Photography. Industrial Motion Pictures. Photo Murals. 420 S. W. Washington, Portland.

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land. . . . Lt. **Bob Seal** was graduated as a jet pilot at Bryan air force base in Texas last August.

John Day is serving with the 7th infantry division in Korea. He arrived in is communications officer at Ladd air force Korea last April. . . . Lt. **Mildred Forell** base at Fairbanks, Alaska. . . . **Tom Fisher** was recently graduated from the naval flight training program at Pensacola, Fla. . . . **Gillian Ann Hoppes** and **John Siegrist** were married in June at the chapel of Westminister Presbyterian church in Portland. They make their home in Portland. . . . a son, Jack William, was born April 25 in Portland to Mr. and Mrs. **George Porter.** . . . Mr. and Mrs. **Joseph Cornell** are the parents of a daughter, Janice Kathleen, born July 8 at Emanuel hospital in Portland. . . . a letter to the alumni office from Lt. and Mrs. **George Frisbie** (Shirley Ritter) indicate that they are living in Darmstadt, Germany about 20 miles south of Frankfurt. The Frisbie address is: 322 Signal Bn. T. & T Co., APO 175, PM New York, N. Y.

Second Lt. **Henry Stroeve** recently arrived in Europe for duty with the U. S. forces in Austria. He is a member of the 70th engineer battalion . . . **Tadashi Yamada** is with the Commercio and Industria Cafeerira Alta Paulista Ltda., Santos, Brazil. The firm is a coffee exporter in Santos run by Japanese-Brazilian capital. Tadashi's address is Rua do Comercio, 2602. andar, sala 20, Santos, Brazil. Tadashi took the position after receiving his master of science degree in retailing last June from New York university school of retailing . . .

Once again it's time for the fifth annual ABC contest!

By ABC we mean Alumni Baby Contest. The ABC is growing larger each year so now we find we have difficulty publishing all the pictures we get. However we feel that is it fun for alumni to show their offspring to former classmates so we'll try to publish them all.

We are again dividing the contest up into two different divisions and then breaking each division down into age groups of (a) under two years and (b) two to five.

Divisions:

(1) Studio pictures
(2) Snapshots

Rules are:

(1) Baby must be of pre-school age. (5 years limit)
(2) Pictures must be accompanied by names and addresses of parents.
(3) State if you wish picture returned.
(4) One of the parents must have attended OSC for one term or more.

Winners will be announced in either April or May edition of the Oregon Stater. Send your photos to alumni office, room 103, Memorial Union building.

Kenneth Jarvis was awarded his master of science degree at the end of the autumn quarter from Ohio State university at Columbus . . . **Bill Stiles** is in the army and stationed in the Washington, D. C. area. His address is Apt. 104, 1417 N. Scott street in Arlington, Va.

Lt. **Stan Houston** is in the marine corps serving in the 1st battalion, 1st marine regiment, 1st marine division in Korea. Serving with him is **Bob Darron** . . . **Joan Dee Capell** and **George Roger Dick** were married recently in Portland. They make their home in Portland . . . married October

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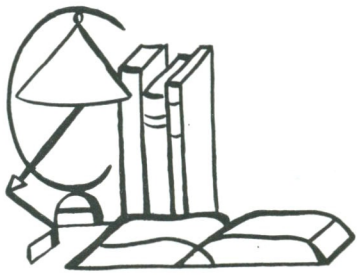

First of a regular column about Kerr library

by Dr. W. A. Atwood
Professor Emeritus of Botany

I arrived by horse drawn hack at the Julian Hotel,—Corvallis' best,—in the Fall of 1913. I had been working in the great libraries of the University of Chicago, yet found the reference library in Corvallis excellent in my field of plant physiology and general botanical fields. Much of this was due to the persistent care of Prof W. E. Lawrence who was already on the ground.

It seems amusing now to realize that our library was then limited to the second floor of what is now known as Benton Hall. The President's office was on the first floor. With the erection of the much more roomy library building now in use, it was a matter of interest to note the trestle-work built between the second floors of the new and the old building. Over this the books were laboriously wheeled, coming in through the window in front of which now stands the lovely statue presented to the College by Dr. E. J. Kraus, the distinguished botanist formerly of the University of Chicago, and now retired and now crossing chrysanthemums here in Corvallis.

When "Mother" Kidder,—our librarian, developed rusty joints for walking, we watched with interest as she rolled around the campus in her battery-propelled little runabout, probably one of those previously used at the Worlds Fair of 1915 in San Francisco. Many helpful and able librarians have come and gone in the days since. Under the inspiring leadership of Mr. William Carlson of today, the library has been greatly developed. Facilities for the use of reserve books, and for access to needful sources of information have been greatly improved. We wonder if the present generation of students appreciate what fine facilities they have at hand, both in books and in library personnel.

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4 in the army chapel at Heilbronn, Germany were Lt. **Stephen Croley** and **Jane Cover** . . . 2nd Lt. **Arthur Larsen** recently completed the basic infantry officer's course at Ft. Benning, Ga. . . . Lt. **Bob Edwards** and **Maureen Kain,** '56, were married in December. Bob has been serving with the air force at Lackland field in San Antonio, Texas . . . **Graeme Leggatt** and **Joyce Vanderpool** were married recently in Portland . . . **Clarence White Jr.** and **Barbara Skinner** were marrried on October 17 in Sacramento, Calif. Clarence plans to return to OSC to complete his studies after he is released from the navy next July . . . Pfc **Jean B. Wyckoff** was recently named Soldier of the Week for the 2nd infantry division's 82nd anti-aircraft artillery battalion at Fort Lewis, Wash. A supply clerk, Wyckoff was selected for his soldierly appearance, knowledge of duties and military courtesy. He entered the army in December of 1953.

Second Lt. **John Thomas** played in the inter-service Rice Bowl football game in Tokyo before 40,000 fans. His team won the Far East championship on New Years Day by beating the Marine All-Stars 21-14. John received an engraved watch because of his selection as an end on the second team All-Air Force football squad. In early January John and his team travelled to Hong Kong and then Formosa to play in an exhibition football game for the Chinese Nationalist air force. John's address is: A03017651, P. O. box 421, Hq. FEAF, APO 925, San Francisco . . . Mr. and Mrs. **G. G. Bateman** (Eleanor Richards, '46) are the parents of a son, Richard James, born December 10, 1954. They have a girl, Jerrie Ann, 3 years old . . . **Delbert W. Wilson** is sales engineer in the industrial heating division of General Electric company at Schenectady, N. Y. Mr. and Mrs. Wilson (Ruth Freed) and daughter live at 601 Mohawk avenue in Scotia, N. Y.

'52

Mr. and Mrs. **Jerry Davids** (Mary Gratton, '53) are living at 12903 Stanwood in Los Angeles, Calif. Jerry is a salesman for the Davids and Royston Bulb Company Inc. at 824 Wall street in Los Angeles . . . **Kenneth Palen** has been named farm forester to head up the state's program in Washington, Columbia and Yamhill counties. He took over his duties of the new position on November 1. He had been technical assistant in the Southwest Oregon State district with headquarters in Medford.

Mrs. **Gilbert Cleasby** (Marie Mendenhall) is teaching home economics this year. Her address is 2217 Pacific avenue in San Francisco. . . . **LeRoy McCloskey** was married May 19, 1954 to **Ida Fox,** '54, in Ashland, Kan. The couple now live at 1100 A South Seaward, Ventura, Calif. . . . **Jim Beck** spent the past summer traveling in Europe and has entered the University of Bonn. . . . **Beatrice Hemphill Hempries** is employed in home economics extension work in Marion county. . . . **Lilalee Fuller** and Lt. **Harry Larson** were married at St. Andrews Catholic church in Portland on June 13. . . . Lt. **Richard Kyle** has been assigned to the 5th air force FEAF in air force intelligence. He reported to overseas processing center in October. Dick recently completed duty at Norton air force base in San Bernardino. . . . Mr. and Mrs. **Art McKay** are parents of a boy, Robert Leslie, born September 21 at Casita hospital in Indio, Calif. . . . **Scott Edward** is the name of the boy born to Mr. and Mrs. **Glenn Patton Jr.** on June 29 at Emanuel hospital in Portland.

Rosemary Esther Poole and **Thomas Akers** were married June 12 at St. Thomas More Catholic church in Portland. They make their home in Wood River, Ill. . . . Lt. and Mrs. **Hank Westbrook** (Beverly Robbins) are the parents of a daughter, Nancy Erla, born May 28 at Seaside hospital in Crescent City, Calif. . . . **Mary Wrolstad** and Charles Pinion were married June 27 in the Lutheran church at Canby. They

make their home in Glide. . . . **Bob Anderson** is a dentist in Springfield. His address is 1105 N. 10th street. . . . Mr. and Mrs. **Bill Rogers** (Patricia Welch, '54) are living at 115 Kwajalein, Barstow, Calif. Bill is in the marine corps. Patricia teaches. They were married June 13. . . . **Wayne Alan Reynolds** and **Carolyn Nell Sparks,** '53, were married September 18 in Milton-Freewater. They make their home at 2553 Harrison in Corvallis. . . . **Bob McWilliams** is quality control analyst for the Ford Motor Company in Long Beach, Calif. His address is Apt. 7, Argyle Apartments, 1078 East Ocean Blvd.

Richard Nelson was graduated last June from the U. S. naval academy at Annapolis. He was commissioned a second lieutenant in the air force. . . . Mr. and Mrs. **Tony Van Vliet** (Louise Morrison, '53) expect to return to the U. S. this winter from Europe where Tony has been stationed in the army with the engineer intelligence center near Heidelberg, Germany. Tony said he has seen Mr. and Mrs. **Dick Panian** (Jonne Hendrie, '53), Mr. and Mrs. **George Frisbie** (Shirley Ritter, '53), **Alex Goedhard,** '53, and **Jim Larson,** '53. . . . a son, Richard Christian, was born July 27 to Mr. and Mrs. **William Fuegy Jr.** at Wilcox memorial hospital in Portland. . . . **Ann Marie Reiling** and **Arthur Wesley Low** were married June 26 at the Hillsboro Methodist church. . . . Dr. **William Paul Jr.** has his dental practice in Corvallis now. . . . Mr. and Mrs. **Malcom Corden** are parents of their third son, Jonn William, born April 26. . . . **Darlene Sitton,** '54, and **Julian Joseph Wetherbee** became engaged recently and plan to marry next year.

Richard Benjamin is now a Lt. (j.g.) in the navy. . . . **Dick Luoto** is in the air force and stationed at Travis air force base in California. Dick received his commission from the officer candidate school last December. He will be in the air force until 1956. . . . **Lee Gerold** is employed with Sears, Roebuck, and company as a divisional manager in the Cincinnati, Ohio store. Lee has been with Sears the last eight months and was recently appointed manager of the boy's clothing. His address is 2368 Victory Parkway in Cincinnati. . . . Lt. and Mrs. **Bud Berg** (Janet Ruggles, '53) are the parents of a daughter, Carol Lee, born May 18. . . . **Ken Ragsdale** has been serving in the air force at Landsburg, Germany.

Mr. and Mrs. **Charles Buchanan** (Patricia Beeman) are living at box 348, Cornelius, Ore. Patricia is a teacher in the second grade . . . Mr. and Mrs. **Art Chiu** (Katherine Chang, '53) are living in Honolulu, Hawaii. Art is assistant professor of civil engineering at the University of Hawaii. Last summer Art traveled to his home in Singapore for the first time in six years. He went via Tokyo, Hong Kong, Bangkok, Saigon, and Manila. While in Japan, **Chiyo Matsushima,** '52, was on hand to meet him. Art said in a letter to the alumni office that his friends in Singapore thought he was a foreigner since he had lost the technique of rolling his r's, etc. . . . **Edward Brandt** and **Elaine Anne Cutting** were married September 11 . . . **Bob Miller** and **Mary Alice Essig** were married September 4 in Port Townsend, Wash. . . . **Leonard Webber** is on the OSC staff in the electrical engineering department. He had been with Bell Telephone laboratories.

Shou Young Liu is one of 53 Chinese students in the U. S. who have been denied exit permits on the ground they posses sci-

Athletics and Alumni

(Continued from page 7)

several years the school having the greatest percentage of acceptance of those applying for admission to the medical school in Portland is—you guested it, Oregon State! With the exception of law, architecture and liberal arts there is not much to be gained by going to any other school in the country.

Now that you have the boy on the campus, take him to the coach of his sport, if he is available. If not, make sure he meets some one in the department of athletics so that he may fill out a visitation card. Why all this detail? Well it's because our coaches can't meet a high school student off the campus. Except, that is, at group invitational affairs at which the coach might be speaking. This is a conference ruling. If a boy fills out a visitation card, and dates it, then our staff may correspond with him. They still can not see him off the campus. This is one of those rules that makes for sticky situations and in past years has brought down the wrath of the conference fathers on a number of PCC schools.

Alumni Director Bob Knoll, Oregon Stater Editor Ted Carlson or yours truly will be most happy to fill in any details on which you have questions. Let's have 'em. You know the great athletic physical plant we have: Gill coliseum, Coleman field, a Rook baseball field, Parker stadium, along with four practice fields, Bell field for track, 18 tennis courts, a splendid swimming pool, an almost completely refurbished mens gym for boxing and wrestling and the sporty Corvallis country club course for golf. The intramural sports fields are in addition to these.

Well, that gives you some idea of what we have available for any boy interested in athletics.

I believe with increased alumni interest, represented by more time given and more dollars given, that Oregon State can find "representative" teams. We will need your help and especially *YOU.*

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entific information which might benefit the Communist regime. Shou was quoted in a dispatch from Chicago as saying he is not interested in politics but wanted to be reunited with his family. Thus far the U. S. has firmly rejected suggestions that the students be used as "trading" material for return of the 11 U. S. airmen held by the Chinese . . . **Yale Rohlff** is head coaching football at Stevenson, Wash. high school and his team had an undefeated season the past year . . . Mr. and Mrs. **C. W. Knodell** (Donna Paulson) are the parents of a son, Brad Clayton, born December 4. He is their second child . . . married October 2 in Salem were **Osgood Munger** and **Joanne Schwarz.** They are living in Salem.

'51

Laurence A. Morin was recently released from the navy and is now employed by Electro-Measurements Inc. in Portland. His address is 7633 S. W. Canyon Lane in Portland . . . **Phil Hoffman** is now living at 67 rue de Seine in Paris. Phil has been in France since last May and lived in Tours, a town about 250 kilometers south of Paris, where he lived with a French family and studied French at the Institute De Touraine. During October Phil came to Paris and is studying political science, economics, etc. at the Institute D' Etudes Politiques, University of Paris. He plans to be in Paris until next summer. . . . . Mr. and Mrs. **Richard Spees** (Jean Kennelly) are living at 1913 Key Blvd, Apt. 570, Colonial Village, Arlington, Va. . . . Mrs. **Thomas Abrahams** (Roberta Ann Donahue) is a housewife and mother of two children at 910 Hooper, Apt. E, Baltimore, Md.

Wesley Jennings is working in the woods department of the Weyerhaeuser Timber company out of Longview, Wash. . . . **Shirley Anne Payton** and **Arthur Edwin Winship** were married recently. They live in Portland. . . . Mr. and Mrs. **Ted Hopkins** are the parents of a girl born August 26. . . . Mr. and Mrs. **Richard Spees** (Jean Kennelly) are living in Washington, D.C. area. Dick attends graduate school at Georgetown university. Dick and Jean has a son, Richard Jr., born in June. . . . Mr. and Mrs. **Thomas Abrahams** (Roberta Donahue) are living in Baltimore, Md. Tom is a lieutenant in the army. They have a small daughter. . . . Mr. and Mrs. **Wyman Williams** (Janice Manly, '53) are living on Mercer Island outside of Seattle. Janice teaches home economics at Lincoln high school in Seattle. Wyman is working for a wood products firm. . . . Mr. and Mrs. **Gene Wellman** are the parents of a girl born September 3 in Corvallis. . . . Mr. and Mrs. **William Witt** (Margaret Ann Howe) are living at 633 Lawrence Drive in San Luis Obispo, Calif. They were married August 15 in Lebanon. Bill is a student at California Polytechnic studying aeronautical engineering and Margaret works at the Bank of America.

David Banta is a student at the University of Washington doing graduate work in forest engineering. His address is 4721 5th avenue N.E. in Seattle. . . . **Dean Daugherty** is in the 1955 class at the American Institute for Foreign Trade at Thunderbird Field, Phoenix, Ariz. Dean is specializing in South America and is taking the school's training course in preparation for a career in American business or government abroad. . . . Captain **Fred Richards** reported to Travis air force base August 30 for duty with the 413th fighter interceptor squadron. His address is care of: 130 Wyoming, Travis AFB, Calif. Fred has been in the hospital at the base as the result of an injury received while playing handball over a year ago. He has had four operations because of the injury and has been in a cast from the knees down. . . . Mr. and Mrs. **Stuart Wells** (Lucille Heesacker,'49) are the parents of Bruce Allen, born August 29. Bruce has a brother, Craig. The Wells live at 2612 19th in Forest Grove.

President Strand

(Continued from page 5)

for the last 400 years, and show them what they ought to do. Harry Schoth, a USDA expert on grasses, who has been stationed on our campus so long that we claim him, is over there now to help on some improvements he initiated a year or two ago. Certainly we can't presume that we are more intelligent than Europeans and Asiatics, although the educational level of our people may be higher. I don't think that has anything to do with it. You have to look further.

Freedom, of course, is the all-powerful ingredient that has made America what it is today. But men have been free elsewhere in the world in different times and in different places dating back many centuries. There was much freedom in the free cities of northern Italy in the 14th Century, yet they burned hundreds of witches there for the following three or four hundred years. The American colonists were pretty free. That's why they came here, yet they had nothing but a wooden plow up to 1819 and they dunked a good many witches themselves.

Two things, I believe, were of primary importance in bringing about the greatest improvements in the life of mankind. 1) the change in man's attitude toward nature and, therefore, a great change in his attitude toward God, and 2) an absolutely new ingredient of Western culture, namely, technology which is the application of knowledge in doing something you weren't able to do before, particularly in relation to material things and natural phenomena. Both of these changes constitute an epitome of the 19th century.

Up well into the 1800's, disease of man and animals, crop failures brought about by natural causes, and indeed all the vagarious misfortunes of life were attributed to evil

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spirits, divine displeasure, or just simply to God's will. Actually, there wasn't much difference in the thinking of men in regard to such things from the time of Moses and his interpretation of many natural phenomena to the time of our own grandfathers. There were great advances in science during the 16th to 18th centuries, that is, in some fields of science, but conspiciously not in things that affected man's welfare and manner of living.

These changes, at least for the most favored humans, came about very recently. For us older ones, we need to go back only to the time when our parents were young to reach the period when the conditions of life were very very different. The electric light is looked upon as a modern invention; Edison died only a few years ago. But people were using electric lights before they knew the causes of plague, yellow fever, malaria, typhus and other insect-borne diseases, which have been the worst scourges since men were men. If I were a bacteriologist I could use other equally good examples such as colera, typhoid fever, tuberculosis, etc. I must choose my cases from thinks I know most about.

Particularly in America, where we enjoy the fruits of modern science, we live securely protected from many of the destructive forces of Nature—from "the pestilences that walketh in darkness." (Ps. xci 6). We live within a few minutes journey of modern clinics with their medical specialists, we have plumbing and sewage disposal, drink pure water and Grade A milk. Houseflies, mosquitoes, ticks, body lice, fleas, rats and mad dogs are seldom, if ever, seen in our neighborhoods. Infant mortality is down almost to the vanishing point. When we die we don't die of many of the causes that were once foremost in holding human population in check. It's hard for us to realize that most of this betterment has come about in the last fifty years and is based on knowledge that did not exist a hundred years ago.

Well, what's all this got to do with fish ponds and Land-Grant colleges? Quite a lot! Land-grant colleges are the product of the 19th Century, the time concerned mostly in my discussion. Sometimes we get the idea that these institutions were something apart from the era in which they were born. Educationally, they were a new idea, but as for science and technology they were as natural a development as any lamb that's been dropped from a ewe. People didn't just decide to abandon some of their old ideas about nature and God. The middle years of the 19th century were "an orgy of scientific triumph" that changed, not merely the thinking of the educated few, as was the case with the science of earlier centuries, but changed the whole manner of human existence. Superstitions and religious cliche's gave way to facts and a vision of a better life. The long gathering advance of science came to fruition. But what was just as important was the application of science and the veritable lust for invention that accompanied the change. Whitehead says that the greatest invention of the period was the invention of the method of invention.

Those middle decades of the century saw Liebig create a scientific agriculture; Faraday, the electric power industry; Perkin, the dye industry; Pasteur carried the doctrine of atomicity of the chemists into biology and disease organisms; and, a little later, Theobald Smith opened the way for discoveries which put an end to the ancient pestilences, at least in civilized countries. The cast iron plow of Jethro Wood became the steel plow with interchangeable shares, and McCormick brought about a revolution in harvesting machinery. Not the least important was the saving of the wineries of France, doomed by the careless introduction of the American phylloxera, which was accomplished by also bringing in from American resistant root stocks on which the French grape varieties were grafted. The idea came from America and was spectacular in its success. No invasion of the Germans ever caused such consternation in France as the invasion of the root-feeding phylloxera, but lo and behold, the vineyards were saved. The old words of Moses, that "thou shalt plant vineyards and dress them, but neither shalt thou drink of the vine, nor eat of the grapes, for the worms shall destroy them", which had held sway for some forty centuries, were countermanded in a big way. It seemed to be God's will in the 19th century that the "worms" could be destroyed instead of the vineyards, and that Frenchmen could have their wine to drink.

The application of man's intelligence to all the problems of his existence, which seems only possible, or at least most successful, in an atmosphere of freedom, has brought about security and comforts of life which we enjoy to such a large extent in America today. The science by which this has been brought about was not all ours. Indeed, not very much of it was ours. But we have the will and the genius to put natural science to work for man's welfare as no other people ever did. Whether the matter concerned is fish ponds or minute electronic transistors, we'll improve them. How much this capacity derives from the character of our people I hesitate to say. However, it has long been noted that we are congenital rebels and not content to accept the past as the proper model for the future. It may not be so, but I like to think we have departed further from belief in superstitions and evil spirits than most others, and certainly we have departed a long way from the God of Moses with a confidence that it can just as well be God's will that human beings improve their lot by being masters of natural laws rather than passive subjects of it. And then, too, the land-grant college system has helped by providing a unique medium through which science and technology, the mania of the 19th century, can operate in the oldest occupation of man and the one that's most dependent on a knowlege of natural phenomena.

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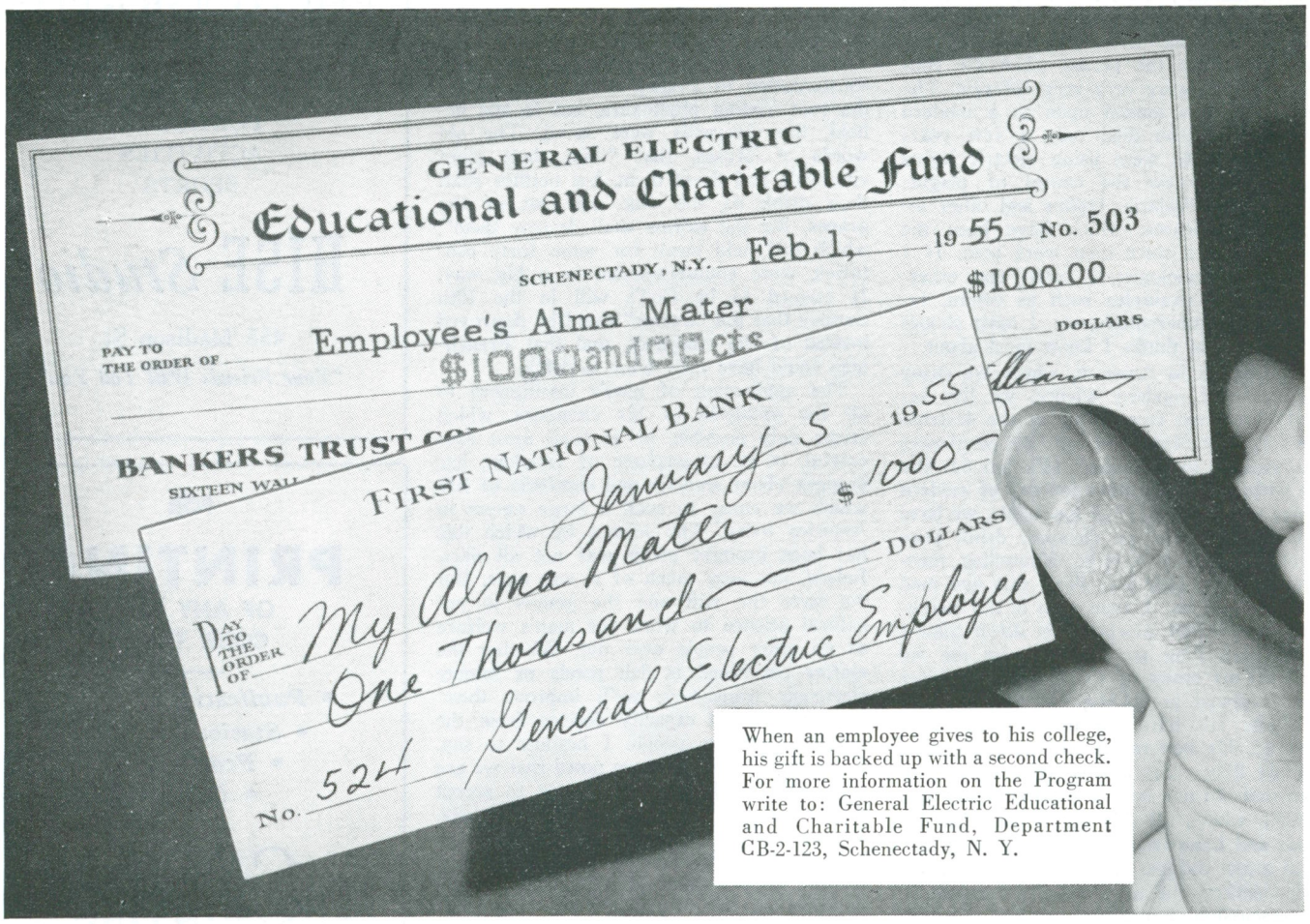

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