FROM MEMORIAL UNION

To Alumni:

We hope you've had a good year. Drop in when you're on the campus.

To Graduating Seniors:

Our congratulations
Our best wishes for your future

To Undergraduates:

Have a good summer
We'll see you in the fall

To All of You:

Our appreciation of your support of our program.
The Ames Forester

1964

VOLUME 51

PUBLISHED ANNUALLY

By

THE FORESTRY CLUB
IOWA STATE UNIVERSITY
of Science and Technology
AMES, IOWA
FOREWORD

The growth of forestry in the "home state" should be of interest to both alumni and students. From the Forestry Department the paths lead in many directions. In our diversified profession, graduates find challenge, satisfaction, and a continuation of the learning process. To closer ties among students, faculty, and alumni, the cause of forestry in Iowa, and the success of the individual forester, the members of the 1964 staff have pledged their efforts.

ACKNOWLEDGMENTS

The Ames Forester is grateful to all those who helped make this publication possible. We deeply appreciate the financial support of our patrons and advertisers. The help and advice of Mr. William Bentley, our faculty adviser, and Mr. Robert Schwartz of the Iowa State University Press were invaluable. We are further indebted to the faculty members, students, and other individuals who offered help and suggestions.

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### THE COVER

Looking up Paint Creek from Peterson Point, Yellow River State Forest, Northeast Iowa. Photo Courtesy of the Iowa Conservation Commission.
# In Memoriam

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DEDICATION

John M. Aikman

From the rolling hills of Central Nebraska’s upland prairies came a man who was to influence and instruct more than 2000 Iowa State University Foresters. Through his seemingly endless patience and many practical approaches to ecology, dendrology and related botany courses, John M. Aikman has continued to inspire and stimulate the many students that he has taught. His teaching and research has moulded these students into better, more capable professional foresters. Foresters with a rich understanding and appreciation of the botanical field within which they work.

Born on March 3, 1893 to Thomas M. Aikman and Darthula Mulvaney Aikman, young Aikman was from the very beginning associated with nature. His father, a Methodist minister, had taken out one of the last timber claims on a homestead in central Nebraska near the town of Broken Bow. When John Aikman was two years old the family moved to the small town of Rulo, in Southeastern Nebraska. As he grew older and began to explore the world outside his front yard, his older brother would take him along with his friends on their frequent fishing and hunting jaunts along the Missouri River.

During his high school days the superintendent of the high school taught botany, which interested John Aikman very much. His love for the out-of-doors, for experimental science and a desire to become a teacher persuaded him to enter Nebraska Wesleyan University in the fall of 1911, majoring in botany. Here as an undergraduate, John Aikman worked in the botany department as a lab assistant and also as a reader for the department of English. With the First World War booming across the Atlantic, he received his A.B. degree in botany in 1917 and enlisted in the Army, serving with the Medical Corps. He received his training at the Mayo clinic, Rochester, Minnesota; as a clinical laboratory technician. After training he was assigned to the U.S. General Hospital #9, in Lakewood, New Jersey, where he was a Non-com in charge of the Clinical laboratory and autopsies and attained the rank of Sergeant first-class.

Returning to civilian life and his home state, Nebraska, Mr. Aikman became Superintendent of the Whitman Nebraska school system in 1919. In the fall of 1920, he took books in hand and accepted a teaching fellowship at Nebraska Wesleyan to begin work on his A.M. degree in botany. The following year, after receiving his A.M. degree he was offered an assistant professorship by Nebraska Wesleyan which he accepted.

During this period of his life his activities had been and were continuing at a quite rapid pace. He continued his botanical studies at the University of Chicago during the summer of 1922. That fall he began work on his Ph.D. degree at the University of Nebraska in Lincoln. While Mr. Aikman worked on his degree, he also taught botany full-time at Nebraska Wesleyan. In 1923, Mr. Aikman was promoted to the position of Associate Professor of Botany. During this year John Aikman married Miss Margaret Dafoe of Tecumseh, Nebraska. Mrs. Margaret Dafoe Aikman passed away in 1937. He remarried in 1940 to Miss Ella Randel of Ottumwa, Iowa.

During the mid 20’s, Mr. Aikman remained at Nebraska Wesleyan teaching while carrying on his doctorate program at the University of Nebraska. On receiving his Ph.D. degree in botany with a minor in zoology in 1927, Dr. Aikman accepted a position on the Botany staff here at Iowa State University.
In September 1927, Dr. John Aikman began his long career of instructing Iowa State Foresters that has contributed so much to the wide recognition of Iowa State Forestry graduates. He promptly began extensive research in the field of plant ecology. This leadership has directed over 40 graduate students who have since become well established in all fields of education, research, and industry. He also contributed to the training of many graduate students in the related fields of agronomy, entomology, forestry, and wildlife management.

In 1934, Dr. Aikman was granted a leave of absence to work with the United States Forest Service as the U.S. Senior Botanist in charge of research investigating the ecological possibilities of shelterbelt planting in the plains region. He participated in another research program carried out through the cooperative effort of the Iowa Agricultural Experiment Station and the U.S. Soil Conservation Service on ecological studies of erosion control plants on hilly ground. Dr. Aikman was project supervisor on a part-time basis on this program between 1937 and 1947. He also has participated in cooperative research projects with the Iowa Highway Commission on ecological studies of highway planting since 1949, and with the Iowa Conservation Commission on prairie research since 1945.

More recently Dr. Aikman, on leave of absence from Iowa State, served with the State Department in the Foreign Agricultural Service as Director of the Tropical Experimental Station, at Pichilingue, Ecuador, from 1951 to 1953. During this time, research was conducted on agronomic, horticultural, and forestry crops, including work on the ecology of Balsa (Ochroma lagopus Swartz).

Dr. Aikman has been active with the Cardinal Guild, serving as faculty member from 1930 to 1951 and was tapped for Cardinal Key in 1944. As chairman of the Conservation Committee of the Iowa Academy of Science, Dr. Aikman lead efforts which have resulted in the acquisition and maintenance of the Iowa prairie preserves. He has authored many scientific papers and popular articles.

In 1946, Dr. Aikman served as president of the Ecological Society of America and for 15 years served on the editorial board and Executive Committee of the Society. At the 1964 Iowa State Foresters’ Banquet, he was presented with the Frudden plaque, awarded by the Iowa Chapter of the Society of American Foresters for his work and many contributions to the advancement of Iowa Forestry. He is a fellow of the Iowa Academy of Science and of the A.A.A.S. In 1951, Dr John Aikman was honored by his alma mater, Nebraska Wesleyan, with a honorary Sc.D. degree. Dr. Aikman also served as chairman of the Central States Section of the Botanical Society of America for one term. Other organizations to which he belongs include Gamma Sigma Delta, Phi Kappa Phi, Sigma XI, American Society of Plant Taxonomists, American Society of Plant Physiologists, American Society of Naturalists, American Society of Range Management (charter member), and the Nature Conservancy.

A member of Collegiate Methodist Church, Dr. Aikman has been active in church affairs for more than 30 years. During this time he was a member of the Wesley Foundation State Board and this organization’s Executive Committee, a member of the Conference and Area Commissions of Education, and a Member of the Iowa Council of Churches.

Dr. Aikman has two children, both Iowa State alumni. The Aikmans plan to move to the Lake Bullshoals area of southern Missouri this spring for retirement, but will return to Ames during the winter months. He still has two research projects underway and will use this time on research, library work and writing.

John M. DeVilbiss
Most people think of Iowa as a rich, agricultural state with seas of corn and a dearth of forest lands. While this is essentially true, there are still two and one-half million of the original seven million acres of forests in our state. Basically, the timber is still confined to the principal waterways and the rolling hills, and is made up almost entirely of hardwoods. More than 88 percent of the forest lands are privately owned by some 35,000 Iowa families. Approximately 30,000 acres of forests are under state ownership, and 13,000 acres are presently owned by the Federal Government.

The first sawmill was located in Allamakee County in 1829. By 1850 mills were in operation in Dubuque, Scott, Muscatine, Des Moines, Johnson and perhaps other Iowa counties. In 1860 over 540 mills were operating in Iowa. Of the 183,000,000 board feet of lumber annually cut by these mills, some 22,000,000 came from native Iowa timberlands, and the balance was from the white pine logs rafted down the Mississippi River from the great forests in Minnesota and Wisconsin. It is said that by 1877 Clinton, Iowa was the largest lumber-producing center in the world.

Shortly after the turn of the century the huge log rafts with the itinerant loggers ceased to come from the North. Mill owners looked to the native Iowa trees for new sources of supply and designed new uses to utilize these products.

The production of lumber reached an all-time low in the depression period of 1932 to 1936, when only 3 to 5 million board feet were produced. Post-depression years showed a slight increase, but it was not until the years of World War II that production of lumber jumped appreciably. By the end of the war over 90 million feet were being produced, and by 1950 an estimated 5 million feet of specialty logs were exported from Iowa for the production of furniture, veneers, and other fine wood products.

A decade ago a reported 1,008 sawmills were located in Iowa. It should be pointed out however, that many of these did only custom sawing and operated for a brief period during the year. In 1961 reports indicated 583 mills were operating in Iowa. In 1963 approximately 250 mills operated on a year-round basis in commercial production of lumber and wood specialties.

So far we have talked only about lumber milling operations. While this has been an extremely valuable enterprise, both to our pioneer forefathers and to our present economy as well, it represents only one use of our great heritage, the forests.

There are four basic timber types in Iowa as classified by the Iowa Forest Resources Survey published in 1958. Two of these types, the elm-ash-cottonwood type, and the oak-hickory type, make up 87 percent of the present forest cover. The northern hardwood type, occupying only about 3 percent of Iowa's forest cover, includes the valuable timber in the rough lands of northeast Iowa. The fourth type includes the remaining 10 percent of the cover and is made up...
of three minor cover types including bur oak, aspen-birch and hardwood-red cedar.

The elm-ash-cottonwood association is found throughout Iowa, especially along the stream courses and moist, lowland slopes. Many trees of commercial importance are found in these associations, including the American and red elm (Ulmus americana and rubra), silver maple (Acer saccharinum), cottonwood (Populus sp.), ash (Fraxinus, sp.) and willow (Salix sp.). The oak-hickory type is found on the drier, upland slopes throughout the state and especially in the hill lands of southern and western Iowa, and includes white and northern red oak (Quercus alba and rubra), hickory (Carya sp.), basswood (Tilia americana), and to a lesser degree, walnut (Juglans sp.). Bur oak (Quercus macrocarpa) is common to abundant on the slopes of western Iowa and in some instances makes up almost a pure stand. The important northern hardwood type of northeast Iowa includes such valuable species as maple, basswood and red oak. Man-made plantations now total over 45,000 acres. These plantations consist largely of pines and some hardwoods and are for purposes of land reclamation, soil protection, wildlife cover plantings, Christmas tree plantings, and recreational uses.

Public Ownership

Public management of forest lands in Iowa is largely favorable. Many of these lands have been set up under long-range management plans by state agencies, county and federal services. These lands are inventoried by foresters to determine the species composition, age of the trees, quality and associated values. The timber is managed to provide for periodic harvest, thinning and other practices to keep it healthy and productive. Some of the state lands are managed, not only for maximum timber production, but for multiple public recreational use as well. The 10,000 acre Yellow River Forest Area near McGregor in Clayton County is an excellent example of multiple use of forest lands in Iowa. Here timber management, fish and wildlife management, picnicking, camping, hiking, horseback trail riding, and many other outdoor recreational uses go hand in hand under managed supervision. Other similar multiple use areas are planned for Iowa, and some will include the construction of small artificial lakes that will fill a two-fold purpose. These small lakes will be used not only for fire protection, but for fishing as well.

We have found in Iowa that good forestry practices and wildlife management and recreational uses can be compatible on forests as small as 6 to 10 thousand acres. Den trees for raccoon and other aboreal mammals are marked and left uncut by the foresters. Brush piles are properly placed in open areas for rabbits. Some browse trees are uncut and even planted in some areas, together with food plots of domestic grains for deer, wild turkey and other forest game. Lakes built for fire protection are stocked with bass and panfish and provide excellent fishing. Primitive type camping and picnicking areas are provided at strategic points for the ever-increasing numbers of visitors to the beautiful forest areas. Recreation can be compatible with forest management as long as the primary purpose of the area receives first consideration.

Private Ownership

Unfortunately the management of Iowa's privately owned forest lands is not generally as favorable as
the situation on public forest lands. Exceptions of course include forests under management by large wood products companies and private plantations.

Past practices have left most of the private woodlands of Iowa in poor condition with respect to the goal of optimum timber growth and periodic financial yields. In many areas of the state the forests have been repeatedly high-graded, leaving only trees of poor quality and a high percentage of undesirable trees. Forest land grazing has been generally damaging to Iowa's woodlands. Unmanaged forests are producing only part of the potential and resulting dollars that could be sustained year after year. In Iowa the program known as Cooperative Forestry Management holds promise of helping Iowa's woodland owners realize a dollar return and related recreational value from their holdings. By assisting the private landowner directly the forester can go over his woodland and in preparing a plan make individual recommendations. An unmanaged timber will usually yield some commercial products. By restricting grazing, reproduction will soon become re-established.

The woodland owners in Iowa have an advantage of legislation which provides a tax-saving benefit to those who maintain a well-stocked stand of trees. The landowners must protect the land from fire, and also eliminate grazing from the woodland. The law states that the per acre assessment shall be $4.00. Many landowners realize as much as 70 percent reduction in taxes on their forest lands.

The service foresters of the Conservation Commission now number eight. In providing services to the 35,000 woodland owners in Iowa, it is obvious that this service is spread very thin. In recent years they were able to give direct service to only about 1500 to 1600 owners.

Foresters are now employed by Iowa wood-using industries. In addition to this, owners with large acreages of woodlands can hire consulting foresters to develop forest management plans.

In recent years the market for smaller diameter and previously undesirable trees has developed. Pulpwood mills have been able to utilize nearly all species now growing in the state. A typical tree, once considered a weed tree of no commercial value, is the basswood. Today this tree finds a ready market in the veneering industry.

Looking Ahead

What does the future hold for Forestry in Iowa? The recent Iowa Soil and Water Conservation Needs Inventory prepared by various state and federal agencies shows that the forest acreage will continue to decline in the decade ahead. By 1975 it is estimated that the forest acreage will total with under two million acres. Present forest cover will decline with population increases, urban sprawl, superhighway development, and other land adjustment programs. Multiple use of the remaining forest lands must therefore become a reality.

Private, state and federal long-range planners are estimating the needs of recreation for the people of the United States, not only for the present, but for 1975 and the year 2000. Populations are expected to double in many communities. Since many areas of recreation on the seaboards and other vacation places are already overrun, we can anticipate a movement of tourists into the vast, undeveloped midlands of the nation.

With the anticipated increase in our own population and the influx of tourists from congested areas elsewhere, it behooves us to plan well for the future. Intensive management of our present forest lands is a must. New methods of utilization of the less desirable timber through forestry research should be stepped up. Multiple use of our forest lands must be considered if we are to receive benefits appropriated

 Ames Forest Research Center's Amana Colonies field office where studies in soils, tree physiology and establishment of hardwood plantations are carried on.
for recreation in the future by state and federal governments. Future planning must provide for havens of beauty and solitude in our forests for the multitudes who prefer peace and quiet to the hilarious revelry afforded at the honky-tonks and Coney Island-type spas.

Wildlife plantings for food and cover is a continuing function of forest land. Aboreal mammals and forest game birds, including deer, raccoon, squirrels, wild turkey and grouse need the protection and food provided by forest trees, while farm game need the food and shelter of the brush-type forest edge.

Iowa's forest economy is expanding annually. Once again, the Mississippi River towns support a large forest industry, including pulp mills, millwork

Preparing hardwood rotary cut veneer for manufacture.

plants and kiln drying operations. The river mills represent only a portion of the 600 wood-using industries of the state of Iowa. Presently, factory employment for the wood-using industries ranks fourth in Iowa with a payroll of 43 million annually.

The forest products harvested are worth more than 9 million dollars per year to woodland owners, and production is increasing. The value of this important industry, that is, the value of shipments less the cost of materials, fuel, etc. is 70 million dollars annually.

Recently in Iowa, a Christmas Tree Growers Association was formed. In coming years Iowa producers may well provide the bulk of the Christmas trees for Iowans.

Although land prices have made the forest economy a rather dull picture in past years, the increased markets with their higher prices, tax benefits and forest value from recreational users has changed the present picture considerably.

Last, but certainly not least, we must consider the aesthetic value of trees in Iowa. These native woodlots not only beautify our state highway systems and other areas where they exist, but afford recreational areas and homes for wildlife. The literal translation of the word "Iowa" by the Indian is "beautiful land." Trees and their management through forestry practices will add beauty to the rich, rolling prairie lands of Iowa. It behooves all of us then to do our part in promoting good forestry practices in this beautiful land of ours.
C.D.T.C.—A New Star on the Training Horizon

by

ROSS TEUBER, '48
I f you want to know whether an idea will work, one of the surest ways to find out is to try it! That is exactly what the Southwestern Region of the U.S. Forest Service was doing when they established the Continental Divide Training Center. This is a pilot project to determine the feasibility of a permanent training center for Forest Service Employees, staffed by a group of trained, full-time instructors and the necessary clerical and maintenance force. It is the first and only training center of its kind in the United States. The facilities are maintained primarily to meet the training needs of Forest Service personnel in Region Three. This project has the blessing and backing of the Chief's office. If it proves as effective as we hope to make it, it may serve as a model for the establishment of similar training centers in other Forest Service Regions across the country. Our activities are being scrutinized by administrators and training officers from other regions and units all over the United States. The results of our efforts last year, and so far this year have been very favorably received. The consensus seems to be that this is a very worthwhile and effective program. It will probably be maintained on a permanent basis, at least in this Region of the Forest Service.

We have long recognized the importance and necessity of in-place training for all employees. This is essential to maintain standards of performance, keep employees informed and for individual career development. Many methods such as short duration training camps, periodic group training sessions, technical workshops, manual study courses and reading assignments, individual coaching and training details and assignments have been used in the past. These are all good techniques. But with the rapid expansion during the past decade, both in number of personnel and in intensive functional programs, no combination of currently used methods seemed adequate to keep abreast of both technical and management training needs. So the concept of in-service training is not new!—Only the approach to training through the establishment of a permanent training center, manned by a fulltime staff of trained instructors, who devote their efforts exclusively to carrying on the training program is new.

Although training of personnel is a primary responsibility of unit managers, other demands on their time frequently force these people to neglect this phase of their activity. Unit by unit training in the same subject matter can also result in duplication of effort and facilities, lack of uniformity and excessive cost. In some technical aspects of resource management qualified instructors are not always available on all units. Unit supervisors must be trained in the techniques of instruction if they are to effectively carry on training programs. Any well rounded training program must be evaluated to determine its effectiveness. We need to develop means to accomplish this evaluation. All of these criteria indicated that perhaps one approach to our training job was to establish a permanent, fully equipped, centrally located training center.

**TRAINING PHILOSOPHY IN REGION THREE**

We believe that if we are to carry forward the Forest Service program of multiple use management effectively and efficiently, so the public will receive a full value from our efforts, our people must be skillful, well informed and enthusiastic. This emphasizes the need for formal training. As our program grows in size and responsibility, more and more effort must be concentrated on individual training.

In-place training of the individual is a three-part program. First and most important is self development—growth of the individual through his own efforts. Closely following in importance is on-the-job training and coaching by the immediate work supervisor either individually or in groups. Finally comes formal training, usually carried on in groups under special, technically competent instructors. Although low on the scale of relative importance, formal training is necessary to provide a context from which other forms of training obtain purpose and direction. Formal training provides the framework upon which the immediate work supervisor may build in on-the-job coaching, and guide the individual in his self-development efforts.

Formal training in basic functional and management activities tend to give guidance to the development of new employees. Formal training also provides our employees with a working knowledge of the elements of good instruction, which they are frequently called upon to use in their day-to-day contacts with others, both on and off the job. With the foregoing philosophy in mind, the Continental Divide Training Center was established with a dual objective. First is to fulfill the formal training needs of the Southwestern Region. We recognize and emphasize that the accomplishment of this objective...
will not relieve unit managers of their training responsibilities. However, we believe that if this objective is fully accomplished it will make the unit manager's training job easier and more effective. The second objective is to conduct pilot studies and trial operations in areas having national Forest Service training significance.

The first objective is being met through a curriculum consisting of management and functional courses. The management courses are taught primarily by the full-time instructors on the training center staff. These include subject matter as Basic Indoctrination and Orientation, Foremanship, Basic Supervision, Administrative Management, Basic Communication, Communication for Managers, Leadership through Communication and Instructor Training. The functional courses are taught primarily by subject matter specialists from Regional and Forest Headquarters, assisted and advised in instructional techniques by the training center staff. Functional subject coverage includes not only procedures and techniques in management of the five basic resources, but workshops and practical exercises in the service and supporting functions such as engineering, fire control, personnel management, work and financial planning, safety and training, aerial photo interpretation and radiological monitoring. Service wide courses in Fire Generalship and Fire Simulator Training were held last year. Additional service wide courses are planned for this academic year. Professional educators are brought in occasionally for communication and management courses at the more advanced levels.

We believe that the maximum amount of learning takes place when trainees actively participate. Therefore student participation is an objective which is actively pursued. We also feel that skill in communication and human relations are essential in any public service positions. For this reason these aspects are strongly stressed in all management courses.

The curriculum is planned and scheduled to interfere as little as possible with the accomplishment of the National Forest work program. Therefore no formal sessions are held during the heavy field season from May to September. Trainees are selected for participation in the various courses on the basis of individual training needs. Individual training plans pointed at specific career development objectives are developed and revised annually in Employee Development Conferences. These conferences provide for joint participation by the employee and his immediate work supervisor. Candidates for each course are recommended by the immediate work supervisor, and assigned to appropriate classes based on the needs identified in the individual training plan. As the need for a specific type of training becomes apparent a course is developed to meet this need. Courses are planned to satisfy the needs of all employees, male and female, at all levels and in all facets of Forest Service activity. Subject matter and lessons are constantly being revised to adapt them to identified needs.

Classes vary in size from 12 to 60 trainees, and in length from two days to four weeks. They average about 30 trainees per class and 4½ days in length. Schedules are arranged to make the fullest possible use of training facilities and instructor's time. Thus two, three or four classes may be going on simultaneously. During one week resident instructors may be teaching a management course; contracted professional educators may be conducting an advanced communication course; staff specialists may be teaching a technical course in some functional activity; and forest staff officers may be participating in a procedural workshop. Classes are ordinarily conducted between the hours of 8:00 A.M. and 5:00 P.M. In some instances evening sessions are held to present outside speakers, training films or group conferences and seminars.

During its first year of operation the Training Center provided 1150 man-weeks of formalized training to over 30 different classes. The planned program for the current year will employ 37 separate classes to provide some 1500 man-weeks of management and functional training.

The second objective is being approached through the selection of 14 pilot areas for study. These pilot areas include studies and operations in the fields of New Methods in Adult Education, Evaluation of Formal and On-the-job Training, Cost of Central Group Training vs. Training at the Forest or District Level, Training Library Development, Practicality of Using Full-time, Expert Instructors vs. Casual, Part-time Instructors and Research into New Types of Teaching Equipment, Aids and Facilities. Some of these areas are rather nebulous. Many have proven perplexing to long established educational institutions and experienced educators. Obviously this objective will require more time for accomplishment. Concrete results will be slowly and painfully achieved in many of these fields. These results must be tested and evaluated in the light of accumulated experience.

Comfortable chairs and adequate table space are provided each student.
Some progress has been made, but much remains to be done.

**FACILITIES**

The Forest Service was fortunate in acquiring a former Air Force Radar Base as a site for the Training Center. The facility is located in West Central New Mexico, 100 miles west of Albuquerque and 30 miles east of Gallup. It is four miles south of U. S. Highway 66 (Interstate 40). A paved road leads from the Continental Divide Interchange to a relatively isolated site at an elevation of 7600 feet.

We believe that maximum learning takes place when the most favorable possible climate for learning is provided. Therefore we have tried to make all facilities pleasant, comfortable and conducive to learning.

The Training Center has three classrooms. Two of them will accommodate 30 trainees each in well-lighted, soft-seated attractive comfort. The third classroom will provide for 60 students seated at double desks, or 125 in auditorium style seating arrangement. In the near future provision will be made to divide this room into two fully equipped classrooms with a folding partition when needed. Each classroom is fully equipped with the latest instructional aid equipment. This includes 16MM sound movie projector, 35MM slide projector, overhead projector, screen, chalkboard, flannel board, magnetic board, easels and tape recorder. Specialized equipment such as slide-tape projector, film strip projector, teaching machines and the fire simulator are available on a more limited basis.

Two small conference rooms are available for small groups, meetings and "buzz" sessions.

Modern equipment for reproducing handout materials and for the preparation of projection transparencies, slides, charts, graphs, flannel and magnetic board visuals, photographs and other training aids in available to instructors and trainees. Expert advice and assistance may be obtained from members of the resident staff.

A small but rapidly developing library is available. This includes technical reference material, lesson plans and training aids for all courses offered, and recreational reading material. Library services are available to all Regional personnel.

In addition to classroom facilities at the Training Center a field laboratory is rapidly being developed in the McGaffey area on the adjoining Gallup Ranger District. This area includes model recreation, timber sale, range, wildlife and watershed areas and a well planned and engineered trail and fire lookout. These facilities are used for field exercises in National Forest resource management. Three dormitories have clean, well-lighted, comfortably furnished single and double rooms to accommodate 75 trainees. Additional quarters are available for visiting instructors and guests. Delicious, well-balanced, home-cooked meals are prepared and served cafeteria style by a full-time cooking staff. The dining room seats a little over 100 people. Recreation facilities include a gymnasium, T.V. and radio lounge, tennis court, rifle and pistol ranges and a baseball diamond.

The resident staff at the Training Center includes the Director, Administrative Assistant, two full-time instructors and supporting clerical and maintenance workers. They are housed in modern, three-bedroom dwellings located about one-fourth mile from the academic area.

**SUMMARY**

The Continental Divide Training Center is a pilot project implementing a new concept of in-service training. Although the Forest Service has long recognized the importance of training to keep employees currently informed, improve job performance and enhance potential for career development, this is the first time a full-time, permanently staffed training faculty has been tried. Future training programs in the Forest Service may be based on the experience gained and techniques developed here if the Training Center successfully fulfills expectations. It was established to meet recognized needs in the Region and to conduct pilot studies in specific training areas having national Forest Service training significance.

We believe that training has three facets; self development, on-the-job coaching and formal training procedures. We recognize that the first two are of greatest importance in individual career development. But we also realize that formal training is necessary to lay the groundwork and give direction to this development. The Training Center was established to instill this much needed formal training, which must precede the other steps. It will help, but not relieve unit managers of their training responsibilities.
Courses, which fall into two broad categories, management and functional, are designed, scheduled and administered to fulfill the maximum extent possible the individual needs of Regional personnel. Every effort is made to provide a favorable learning situation. Management courses are primarily the responsibility of resident instructors, while functional and technical subjects are conducted by staff specialists with advice and assistance from the resident instructors.

The resident staff consists of 15 full-time Forest Service employees, whose efforts are directed toward providing what we hope will be the best and most favorable in-service training atmosphere in the country.

Ross L. Teuber, '48, a career employee of the U.S. Forest Service, has worked in the Southwestern Region for the past 16 years. He is married (Clara Griffith, H.E., '42) and has two children; a son, Larry, aged 12 and a daughter, Rebecca, aged 9. He is a senior member of the S.A.F., and an active member of the N.F.F.E. He has held several local and state offices in the latter organization.

A native Iowan, he first enrolled in the Forestry Department at Iowa State in the fall of 1938. His college career was frequently interrupted by the necessity of earning money to meet expenses, and a 3-year tour of duty with the U.S. Navy Seabees during W.W. II. While in attendance at Ames he was active in Forestry Department and Forestry Club activities. He served as Assistant Editor of the Ames Forestier in 1947 and Editor in 1948. He was elected to Alpha Zeta and Gamma Sigma Delta during his senior year. He received his B.S. in Forestry in 1948.

Immediately upon graduation he accepted employment as a junior timber sale officer on the Kaibab National Forest. Since that time he has held positions as Assistant District Ranger, District Ranger and Timber Management Staff Assistant on various forests in the Southwestern Region of the U.S. Forest Service. In July, 1963, Mr. Teuber was assigned as one of the full-time instructors at the newly established Continental Divide Training Center. In this position he specializes in the preparation and use of instructional visual aids, serves as a technical advisor to visiting instructors and assists in instruction of the management courses, aerial photo interpretation and radiological monitoring.
After Iowa State . . . .

Foresters Find
New Jobs
Challenging

Editor’s Note: The 1963 Ames Forester carried an article which looked at the development of a forestry student at Iowa State. This year a few recent graduates were contacted and asked about their positions within the forestry profession.

Lou Bertlshofer, ’62 in Colorado

Range, recreation, and special uses centered around the vital resource, water, characterize the Colbran District of the Grand Mesa National Forest where Lou Bertlshofer is beginning his Forestry career as Assistant Range. In the mesa country of southwestern Colorado he works with a small permanent staff consisting of the District Ranger, a General District Assistant, and a secretary, administering 190,000 acres of spruce-fir forest, rangeland and lake country.

As Assistant Range, Lou has found his involvement with all phases of district operation rewarding. The 400,000 acre flat top mountain known as Grand Mesa and its adjacent slopes are dotted with more than 300 lakes and reservoirs which furnish water to near-by municipalities, ranches, and farms. With water the most important single benefit of the district, the other resources are managed commensurate with watershed values.

Soil and watershed rehabilitation, recreation administration, and administration of grazing allotments take up a large part of his working time. Considerable recreational use is made of the lake country, and Lou is in charge of all campground maintenance and development on the district. Supervision of holders of special use permits has included checking up on operators drilling for natural gas, and safety and fire inspections of dams, summer homes, and lodges. Skiing is an important activity in the winter, and Lou devotes considerable time to administrative and public relations work on the ski areas. He was also recently involved with a spring planting of 20,000 ponderosa pine seedlings. He has spent some time on timber sales on the district.

The water resources on the mesa have been developed by private interests, and are a vital element in the management of the ranches and farms of the lower country. Lou reports good relations with the ranchers and other water-users.

He enjoys the variety of tasks, and regards favorably the trend toward specialization in the Forest Service. Living in a small rural community has disadvantages, but they haven’t dampened Lou’s enthusiasm. He, and his wife, Margaret, are renting a pleasant home only blocks from the ranger station, and often enjoy get-togethers with other Forest Service people. He likes his work and his associates. “The Forest Service is just one big happy family,” he says, “making it easy to get along with people, which is a very important part of a fellow’s job.”

He feels his education at Iowa State was quite complete, but finds the learning process continuing on the job.
Starting June 25, 1962, I filled a position of Field Representative with Albemarle Paper Manufacturing Company, formerly Halifax Paper Company, at Roanoke Rapids, North Carolina. Albemarle is a subsidiary of Ethyl Corporation of Richmond, Virginia, and is a producer of pulp for Kraft paper. Not only does the mill supply its own needs but also those of several other conversion plants.

My wife, Shirley and I live in Scotland Neck, North Carolina, a small friendly town forty miles from the location of the mill. Living accommodations were rather hard to find but with the aid of my Area Manager and his wife we were able to find a suitable house to rent on the outskirts of town.

I have found my work very enjoyable and my colleagues are a fine group of men. We are spotted throughout the procurement area of the mill. This area is broken down into five smaller areas, each under the jurisdiction of an Area Manager. In each of these areas there are two or three Field Representatives of which I am one. We are not required to report into an office each morning. We merely sign in on our two-way radios and go about our business.

Some of the activities I am involved in are cruising, marking thinnings, supervising cutting operations on company and private lands, assisting in buying timberland for the company, helping our wood dealers buy pulpwood, and overseeing the management of about 8,000 acres of company land under my jurisdiction. Much of my time is spent with private land owners because the mill depends upon this group of individuals for about 85 per cent of the wood consumed at the plant. We offer these land owners as many free services as possible in order to encourage them to undertake a sound management program.

I feel that my education has prepared me for my job in most respects. However, a person's real education begins when he starts working on the job. I would suggest more practical application of such courses as Management and Silviculture. A course in public relations would be of great benefit to anyone planning to work for private industry because a good deal depends on how you meet and work with people.

Social activities with my fellow foresters are limited because of the wide placement of the men. We do have Wood Department meetings about four times a year after which there are usually some social activities scheduled.

My wife and I have found North Carolina a very interesting and enjoyable place to live. Within several hours we can drive to the beach or mountains. The state is steeped in history and we have enjoyed several interesting trips to historical sites. We have also had an opportunity to see how three high return agricultural crops—cotton, peanuts, and tobacco—are grown and harvested. For an Iowan this is quite a change in the agricultural system.

The company is also interested in keeping its foresters up to date. Since I began working for Albemarle, I have attended three short courses in Raleigh at North Carolina State College. These short courses dealt with radio and television for public relations purposes and one on soils of North Carolina.

Dow Foley ’63 in California

Dow is presently a forester on the Mi-Wok District of the Stanislaus National Forest in east central California. He and his wife Sandy are living in a beautiful four-bedroom house at $75 per month in a resort area. They're very pleased with the friendly atmosphere on the district. Forest Service personnel had been looking for housing for them prior to their arrival, and were extremely helpful while they were moving in.

First assigned to the cultural division of the district, Dow began with a two-day "show-me" trip to acquaint him with the area and operations. Soon thereafter, he had a one-hour interview with the forest supervisor which covered leave, pay, advancement, and policies of the forest. The supervisor stressed to him the need to inform him of any personal or other problems with which the Forest Service could be of help.

Dow's first job was the supervision of a twelve-man T.S.I. camp. In the early stages, he had the help of another forester in getting things established. His duties included all phases of camp operation—
Dow Foley '63, Foraster on the Stanislas National Forest.

choosing and marking areas to be thinned, time-keeping, and commissary. When asked if he felt like a mere cog in a giant machine, or a decision-making individual, he replied favorably, “They give you the guidelines and turn you loose.”

In addition to running the T.S.I. camp, Dow spent time on a Christmas tree sale—marking, writing contracts, and administering the sale. He also spent some time on a site preparation project, surveying and computing areas which had been cleared of brush. He was thankful for C.E. 310 when the time came to make a transit-stadia map of a fire guard station for real estate purposes.

How about pay? He admitted, “It’s hard to live with a family on a GS-5. A bachelor could do it.”

Still, Dow and Sandy seem happy in California. They enjoy a good social life, and an absence of “rank-pulling”. Sandy says, “I think we’re on a wonderful district. You can be on some districts where you call the ranger ‘sir’ and his wife ‘Mrs. Sir’. Sight unseen, we’re pretty lucky to be where we are.”

Leroy Scott '63 in Wyoming

I like many other foresters have accepted employment with the United States Federal Government. My present position is with the Bureau of Land Management on the Casper District in the state of Wyoming. The district office is located in Casper, a city with a population of 41,000. The Casper District is the largest district in the state, covering approximately the eastern third of Wyoming and portions of South Dakota and Nebraska.

I received a somewhat unusual appointment; I work half the time in forest management and the other half in range management. Upon reporting for duty I received orientation in organizational structure and various other administrative subjects such as pay, annual leave, advancement, responsibility and safety, which initiated an intensive six-month training period. My training period consists of working in many different phases of district operations including numerous technical reading assignments and working on a special project. In addition, I attended a one-week orientation and indoctrination session for new BLM employees in Sacramento, California.

I am pleased to have been assigned to a district with a fine staff of both technical and administrative personnel, with an informal atmosphere, and with a prevailing attitude of willingness to be helpful and promote interest and curiosity.

My first job assignment was foreman of a helicopter spray crew of 7 to 12 men on a Black Hills Beetle spray project in inaccessible areas of the South Big Horn Mountains. My primary duties consisted of supervision of the spray crew, scouting for new beetle infections, and scheduling helicopter flights in the absence of my supervisor.

In mid-July the spray project was terminated, at which time I proceeded to the range management section, assigned to duties in range survey, using the ocular reconnaissance method, and then to range condition and trend using both the two-phase method covering approximately a half million acres, and Parker Three-Step transects. I am presently in the soils and moisture section, performing project inspections and assisting in the layout, testing and inspection of reservoir retention dams.

In being assigned to such a large district I have found that extensive travel is necessary in order to accomplish organizational objectives. During these travels it is often necessary to consult local residents. To a large extent the success of any management pro-
gram or individual depends on one's ability to understand and work harmoniously with all types of individuals. I feel it is a valuable asset for an individual to gain experience in working and understanding people. If this experience can be gained while still a student, the beginning of a professional career will be much more rewarding.

From my experience, I feel that Iowa State University offers both a fine intensive and extensive forestry program. While attending I.S.U., I felt it necessary not only to major in forestry but to branch to related subjects such as range management. After graduation I found that because of being qualified for more than one field, I was fortunate to be offered the opportunity to gain experience in all phases of BLM operation, rather than being limited to one specialized field.

Forestry is a profession which requires a well-rounded individual who is familiar with a vast variety of subjects, and any additional qualification a person can gain is of immeasurable value.

Ron Voss ’62 in Nevada

Ron is presently employed as Assistant Forester by Tahoe Timber Company at Reno, Nevada. About his job he says this: “I like it very well. I sure wouldn’t trade with anyone in the Forest Service.”

Tahoe Timber Company is a subsidiary of Dant Forest Products of Menlo Park, California. They buy timber and contract its harvesting to loggers. A large proportion of their stumpage is bought from Fiberboard Paper Products and Southern Pacific Railroad, as well as a smaller amount from the Forest Service. The timber is processed in their mill. Ron’s concern, however, is in the harvesting end of the operation. He spends a lot of his time supervising logging, administering sales, and working with the foresters of the seller to insure compliance with the Forest Practice Act of California and Nevada.

Ron finds working conditions favorable. His superiors helped him find housing and move in when he first arrived. His starting salary was equivalent to more than a GS-7; he received a substantial raise after one year. He was given the use of a company jeep to drive the twelve miles to and from work. He and his wife Carol and daughter, Robin are living in a pleasant, up-to-date residential district in Sparks. The Vosses have found that with the high living and housing costs in Nevada, monthly payments on a house are cheaper than rent for an apartment.

When asked how well he felt I.S.U. had prepared him for his job, he replied, “Real well. Nearly all the work I have done has been covered, at least generally in a course or summer camp.” However, he also had this to say: “I think grades were stressed so much that some students lost the idea of learning something of value from a course. All they thought of was getting grades and not worrying about the future use of the knowledge obtained.”

Jack Dillman ’61 in Wisconsin

Quality Control work in the Roddis Division of The Weyerhaeuser Company has proven challenging and satisfying for Jack K. Dillman, who majored in Forest Products at Iowa State. He and his wife, Janet, have made their home in Marshfield, Wisconsin, where they enjoy the company of several other I.S.U. graduates. The surrounding countryside with its large tracts of second growth spruce, fir, pine, and aspen provide excellent hunting and fishing during leisure time.

The plant in which Jack works produces hardwood flush doors and decorative hardwood paneling. He is primarily concerned with problems encountered in sanding, finishing gluing, and moisture control. A word of advice to anyone interested in work of this nature is to take as much chemistry and industrial engineering as possible, concentrating on the wood-moisture relationship, to which he attributes 75% of the major problems encountered.
Professor Kellogg attended the University of Chicago for the first two years of his undergraduate work and then went to the University of California where he earned his B.S. He earned his M.F. from Yale. He had a wide variety of experience prior to coming to I.S.U. in 1949. He has worked on biological surveying in Oregon, cruised in California, worked for the Pacific Lumber Company in redwoods, scaled timber sales on the Stanislas National Forest, made volume table measurements, was Jr. Forester on the Shasta National Forest, Appalachian Forest Experiment Station and the Central States Forest Experiment Station. His hobbies and interests evolve about home woodworking, color photography, nature study, travel, geology, lumbering and local history. He believes that the most significant boon to forestry during his career has been the arrival of that point in time when private industrial owners changed from liquidation of holdings to a plan of holding and managing their forest lands. A liking of the woods—forests, creatures, conditions and vegetation therein, together with acceptance of the hardships and primitiveness that they may entail encouraged Professor Kellogg to choose forestry as a profession. He recommends to all aspiring to become foresters to get into some other field if they cannot be enthusiastic about forestry. He suggests getting all the experience one can before graduating. Postponing marriage and family responsibilities will enable one to get ahead faster financially. Finally, he says that following the Golden Rule and striving to be a fair and square shooter in life can leave no regrets.

Dr. Bensend came to I.S.U. in 1947 after teaching at Utah State University. Prior to this he was an instructor at the University of Minnesota and a technologist with the Forest Products Lab in Madison. Dr. Bensend spent eighteen months in 1961 and 1962 on the staff of the University of Kentucky Contract Team—AID, stationed at the University of Indonesia, Bogor, Java, Indonesia. His interests center about travel, hunting and fishing, church, community (Lions Club, etc.) and photography. Dr. Bensend believes that the most significant boon to forestry during his career has been the development of interest on the part of private industry in both forest management and wood technology. Contact with foresters during his youth sparked Dr. Bensend’s interest in forestry as a profession. He would advise those embarking on a career in forestry to obtain the best possible training in the basic principles of forestry to meet the problems that lie ahead in this challenging field.
GORDON E. GATHERUM, Ph.D.
Associate Professor of Forestry
Silvics, Silviculture, Forest Influences
Research in Forest Tree Physiology and
Soils

From 1940–1942 Dr. Hopkins attended Massachusetts State College. In 1942 he went into the Navy where he served as a pilot until 1944. Returning to civilian life he went to the University of Michigan where he earned his B.S.F., B.B.A., and M.F. degrees. He was engaged with logging and timber management with the New England Forestry Foundation in 1947 and 1948. After this his work took him to Canada where he was manager of the Clearing Construction Company. During 1949 and 1950 he was employed by the True Temper Corporation as a timber buyer in Northern New England. From 1950–1954 he was Assistant Professor of Forestry at the University of Vermont. Shifting to New York State University as a graduate student enabled him to earn his Ph.D. in 1959. It was then that he came to I.S.U. His hobbies include hiking, mountain climbing and skiing (mostly in the past tense). He doesn't believe that any one factor can be identified as being more significant than many others with respect to the development of forestry since World War II. If pressed to specify one factor, however, it would be the growth in national productivity or income combined with a reasonable degree of economic security. Those things which attracted him to the forestry profession are an affinity for the forest environment supplemented by some altruistic feelings toward the “conservation of natural resources.” His advice to present forestry students is not to underestimate forestry, develop what abilities you have to the highest possible degree and exercise them, and when possible, develop competence in that aspect of forestry which you find most appealing.

FRED S. HOPKINS, JR., Ph.D.
Associate Professor of Forestry
Forestry Economics, Forest Recreation
Economics Research
Summer Camp

A native of Utah, Dr. Gatherum has studied at the University of Utah, the University of Washington (B.S.F.), Utah State University (M.S. range mgmt.), and I.S.U. (Ph.D. plant physiology and soils). His varied experience has found him as cruiser-topographer for the Rayonier Timber Company in Washington, in range research with Utah State Fish and Game Department, in range research with the Rocky Mountain Forest and Range Experiment Station, as range conservationist with the S.C. S. in Utah, as Assistant Professor of Agronomy at Texas Tech., as instructor of Range Management at Colorado State, and for the past ten years he has been at I.S.U. Dr. Gatherum enjoys skiing and mountain climbing, tennis, jazz, classical music and reading. He believes significant advances in forestry are attributable to development of the various specializations in the field of forestry through a synthesis of the sciences basic to specialization. His aptitude in the biological sciences and appreciation of nature through skiing and mountain climbing are responsible for his choosing forestry as a career. To those contemplating a forestry career he recommends investigating the breadth of forestry, not to be afraid of weighing the bad with the good, and being certain that one’s decision is not based solely on a romantic impression of the great outdoors.
Dr. Ware is a product of West Virginia where in 1956 he earned his B.S.F. from West Virginia University. At Yale he accomplished his M.F. in 1957 and his Ph.D. in 1960. He has worked as a farm and factory laborer and worked in timber in West Virginia and Ohio. In the summers of 1955 and 1956 he was engaged as a forester for U.S. Steel in West Virginia. From 1956 to 1958 he was Research Assistant in Forestry and Teaching Assistant in Biometrics at Yale. The summer of 1958 to the fall of 1961 found him as Research Forester in Survey Techniques Research at the Northeast Forest Experiment Station. Dr. Ware is an avid trout fisherman and also delights in hunting and reading. To a lesser degree he is also interested in color photography, gardening, and woodworking. He believes that the most significant feature of forestry recently has been the growing public awareness of the place of forests and foresters in maintaining what we might call “the American way of life” and that this has been most important in its ultimate advancement of the science. Growing up in the heavily forested Appalachians and interest in the outdoors naturally led him in the direction of forestry as a profession. Dr. Ware advises those aspiring to embark on a forestry career to obtain the best possible academic grounding in the basic sciences and humanities, and if truly interested in the variety of opportunities in forestry, not to be swayed by the “glittering promise” of big money and romance in other fields that are more in the public eye, and to remember always the importance of doing the kind of work you enjoy and the challenge that exists in most phases of forestry.

Bill attended Stanford University but received his B.S. from the University of California. His M.F. was earned at the University of Michigan. He is currently completing a dissertation for his Ph.D. in agricultural economics at the University of California. Hobbies and interests find Bill enjoying travel and do-it-yourself projects at home. Family background and enjoyable summers working in the woods prompted him to enter the forestry profession. His advice to those considering forestry as a career is to work hard for those things you consider important in forestry.
John accomplished his undergraduate work at the University of Illinois obtaining his B.S. in forestry with a major in wood technology. He spent two summers at the Forest Products Laboratory and then spent one year at Yale University where he earned his M.F. in wood technology. His hobbies and interests include wood furniture construction and electronics on an amateur scale. The complicated nature of wood attracted him to forestry as a profession. He advises neophyte foresters to set their goals as high as possible and to aspire along these lines of interest to approaching these goals.

Dr. Larsen was born in Drammen, Norway, in 1877. He received his primary education in Norway and secondary education in Maine. He obtained his B.A. and M.F. from Yale. For fifteen years he was with the U.S.F.S. in Idaho and Montana, where he initiated and pursued forest research. From 1924 to the present Dr. Larsen has been at I.S.U. In 1962 he received the Frudden Plaque award for significant contributions to the promotion of forestry. Reading (study of history, biography, philosophy, and poetry) and watercoloring are his chief avocations. Establishment of the forest experiment station, the Weeks Bill of cooperative protection, and establishment of state forestry schools are in his opinion the most significant boons to forestry during his career. Dr. Larsen entered the forestry profession in order to be out-of-doors, enjoy the forests, mountains, lakes, and to contribute something towards their conservation, protection and management. A word of advice to those entering forestry would be to aspire toward these goals.
Prior to coming to college Dr. Landers r fancied with his father in Texas. He obtained his B.S. and M.S. from Texas A & M. and his Ph.D. from the University of California. Favorite pastime activities and interests are photography, nature conservation and music. He believes that the conception and application of sustained yield management of forest areas is one of the most significant developments in forestry. He would suggest to forestry students: (1) love the forest, (2) study hard, and (3) study harder.
Jim joined the I.S.U. staff as extension forester in June of last year. After four years in the Navy he obtained his B.S. from I.S.U. in 1960. He went on to New York State College where he earned his M.S. in forest economics. Immediately prior to his recent return to I.S.U. Jim was with the Forest Service in Minnesota. His interests other than forestry include hunting, fishing, and hiking. He believes the most significant development in forestry has been the emphasis on professionalism. He would advise those just entering forestry to specialize—"general" foresters are quite plentiful.

JAMES H. GOTTSACKER, M.S.
Assistant Professor of Forestry
Extension Forester

Departmental Secretaries

Above. Pat Williams, Departmental Secretary.

Right. Sheila Van Hofwegen, Departmental Secretary (Fall Quarter).
Ray came to I.S.U. in his present capacity in 1961. He performed his undergraduate work at the University of Minnesota. Graduate work was accomplished at Michigan State University and U.S.D.A. Graduate School. Training in the use of radioactive materials for nuclear studies was undertaken at Oak Ridge, Tennessee. He was a staff member and Assistant Director of the Black Rock Forest. Military service saw Ray with the U.S. Army Air Force Weather Service. Prior to coming to I.S.U. he was a staff member and Center Leader at the Central States Forest Experiment Station. His hobbies are photography, astronomy, and woodworking. He believes the most significant boon to forestry has been the expanding recognition by industry of the need for professional foresters to manage the company's forest resources. The reasons Ray entered the forestry profession are:

1. the opportunity for outdoor work.
2. opportunity for working with living things.
3. the wide variety of problems present in forestry.
4. knowledge of forestry gained from reading about the lives of prominent foresters.

His advice to those aspiring to embark on a career in forestry would be:

1. obtain as much formal education as possible.
2. broaden the base of your knowledge as much as possible.
3. recognize the continuous need for self-study throughout one's professional career.
4. recognize the fact that a forester has to become a land manager and to think and act accordingly.

GAYNE (GUS) ERDMAN
Research Forester (CSFES) U.S.F.S.

Gus is a staff member of the U.S.D.A. Research Center here in Ames. His pre-forestry training was completed at the University of Wisconsin. He earned his B.S. and M.S. from Montana State University. He has worked as a fire control aid on the Lolo National Forest in Montana, as a Smokejumper with the Forest Service at Missoula, Montana, and now while working toward his Ph.D. he is employed by the U.S.F.S. He finds reading of technical publications on forestry and wildlife management research, hunting, fishing, surveying, and tree planting interesting pursuits. Successful establishment of forests in the South and West by direct seeding on clear-cut areas is a significant accomplishment promoting forestry that has occurred during his career. Gus chose forestry as a profession because of his interest in growing trees, enjoyment of outdoor recreation activities, and respect for professional foresters he had met. He recommends some practical training with the U.S.F.S. or some private company before entering college, and seeking advice from those already in the profession before choosing forestry for a career yourself.

ROBERT E. PHARES
Research Forester (CSFES) U.S.F.S.

Bob is working on his Ph.D. at I.S.U. He earned his B.S. at West Virginia University and his M.S. from Pennsylvania State University. Bob enjoys hunting and fishing when he finds time for them.
Graduate Students

AFFENDI PEN ANWAR

Affendi graduated from the University of Indonesia with a degree in Forest Engineering in 1961. He joined the staff there after graduation. Here at I.S.U. he is doing graduate work in forest mensuration and statistics. His hobbies include tennis, ping pong, swimming, and music. It is interesting to note that though Indonesia is naturally covered by tropical rain forests the timber has little economic value. Affendi feels that by applying technical knowledge to these forests they may take on more economic significance. He further encourages aspiring foresters to obtain a thorough education and to learn to understand local people. Upon returning to his homeland he plans to teach mensuration at the university.

DONALD ARGANBRIGHT

Graduate work in wood technology is Don's current endeavor. He is from Nebraska but did his undergraduate work at I.S.U. Don has married since the Ames Forester was last published. His leisure activities may find him reading or target shooting.

JOHN H. BEUTER

John received his B.S. and M.S. from Michigan State. He was in the Air Force from 1958–1961. From 1961 until coming to graduate school here at I.S.U. John was with the U.S.F.S. at the Pacific Northwest Forest and Range Experiment Station. He is interested in all sports. John, like many of the fellows choosing forestry as a career, comes from an urban area. While trying to decide upon a career, four years passed and he found that he was the holder of a B.S. degree in forestry. His fascination for forestry has not diminished, and he is still pursuing his interests in this area.

CALVIN BEY

Having earned his B.S. and M.S. at Michigan State, Calvin spent two years in the Army. After his stint in the service he was with the Central States Forest Experiment Station for two years. At the present time he is working out of the U.S.F.S. Ames Research Center while receiving training under P.L. 85–507 in silviculture and genetics.

BUD F. S. BROERMAN

Bud graduated from I.S.U. in 1960 and then worked at the Pacific Northwest Forest and Range Experiment Station. After completing two years in the army, Bud returned to I.S.U. as a graduate student. His hobbies and interests come under the headings of hunting, fishing, silviculture and soils.

GEORGE EBER

George completed his undergraduate work here at I.S.U. At the present time he is doing work in forest products and economics for his M.S. degree. He is also the Forest Products Specialist for the extension service here at I.S.U. Past experience has been acquired while working for the Smay Laminated Wood Products people, the Melvin Lumber Company in Des Moines, the Carpenter-Brown Lumber Company in Minneapolis, and the Guy F. McDonald Lumber Company in Minneapolis. Keeping alive seems to leave him little time for other interests or hobbies. George thinks that the development of improved adhesives and finish materials has had a major influence in promoting wood-using industry in this country.

JOHN GORDON

John, now working on his Ph.D. in plant physiology, received his B.S. from I.S.U. and did one and a half year’s work at the University of Helsinki in Finland. He has also worked for the Pacific Northwest Forest and Range Experiment Station and the Forest Research Institute of Finland. When he has some spare time he likes to write, read, or go fishing.

FRED KAISER

Fred graduated from Iowa State in 1961 with a B.S. degree in economics and is now on an M.S. program in forestry economics. Good job opportunities and an interest in forestry prompted him to specialize in this field. Fred, a Chicagoan, enjoys fishing and traveling.
LEONARD J. KOENICK

Having received his B.S. from West Virginia University (Wood Industry Option), he is now working toward his M.S. in forest economics. One summer was spent working for the Corps of Engineers as a forestry aid in Virginia. Folk music, skiing, sports cars, and active support of the civil rights movement are several of Leonard’s interests.

FLOYD MANWILLER

Floyd is working on his Ph.D. in wood technology. He performed his undergraduate work here at I.S.U. and went into the Air Force for four years, three of which were spent in Germany. He has worked for the U.S.F.S. in Oregon and is now a research assistant here at I.S.U. His interests range through hunting, reading, fishing, and antique furniture.

CHARLES DUDLEY MATTSON

Dudley received his B.S. from Hillsdale College in Michigan. He then went to the University of Michigan where he earned his B.S.F. During World War II he was a pilot in the Air Force. He has worked for lumber companies in Louisiana and Texas and with the U.S.F.S. in Florida, Alabama, and Michigan. He is presently working toward his Ph.D. in economics and forestry. He is interested in forest recreation, both from a personal and professional standpoint, and enjoys fishing and reading. After graduate school he hopes to locate in a teaching position in forest economics and recreation.

HANS SCHREUDER

Hans comes to the U.S. from Holland. He undertook his undergraduate work in this country, obtaining his B.S. at Southern Illinois University and his M.S. at North Carolina State College. While working toward his Ph.D. Hans has taught General Forestry 101 Lab and Forest Mensuration 241 Lab. Hans was attracted to forestry because of the vast opportunities in this interesting field.

LARRY L. STREEBY

Larry graduated from I.S.U. just this preceding fall with his B.S. in management. He is working toward an M.S. in forest economics. His hobbies include reading, hunting and gunstock making and refinishing. Larry was married last summer and is presently commuting from Des Moines where his wife is a student at Drake.

WIRATMOKO SUKOTJO

Wiratmoko is doing graduate work in silviculture and forest products. He was born in 1934 at Java, Indonesia. He received his undergraduate education in forest engineering at the University of Indonesia. After graduation there he spent some time on the staff. Hobbies and interests include camping, traveling, reading, and visiting with American families, especially farmers.

The Code of Ethics for the Profession of Forestry

Adapted by the Society of American Foresters, November 12, 1948

The purpose of these canons is to formulate guiding principles of professional conduct for foresters in their relations with each other, with their employers, and with the public. The observance of these canons secures decent and honorable professional and human relationships, establishes enduring mutual confidence and respect, and enables the profession to give its maximum service.

Professional Life

1. The professional forester will utilize his knowledge and skill for the benefit of society. He will cooperate in extending the effectiveness of the forestry profession by interchanging information and experience with other foresters, and by contributing to the work of forestry societies, associations, schools, and publications.

2. He will advertise only in a dignified manner, setting forth in truthful and factual statements the services he is prepared to render for his prospective clients and for the public.

Relations with the Public

3. He will strive for correct and increasing knowledge of forestry and the dissemination of this knowledge, and will discourage and condemn the spreading of untrue, unfair, and exaggerated statements concerning forestry.

4. He will not issue statements, criticisms, or arguments on matters connected with public forestry policies, without indicating, at the same time, on whose behalf he is acting.

5. When serving as an expert witness on forestry matters, in a public or private fact finding proceeding, he will base his testimony on adequate knowledge of the subject matter and render his opinion on his own honest convictions.

6. He will refrain from expressing publicly an opinion on a technical subject unless he is informed as to the facts relating thereto, and will not distort or withhold data of a substantial or other nature for the purpose of substantiating a point of view.

Relations with Clients, Principals, and Employers

7. He will be loyal to his client or to the organization in which he is employed and will faithfully perform his work and assignments.

8. He will present clearly the consequences to be expected from deviations proposed if his professional forestry judgment is overruled by non-technical authority in cases where he is responsible for the technical adequacy of forestry or related work.

9. He will not voluntarily disclose information concerning the business affairs of his employers, principals or clients, which they desire to keep confidential, unless express permission is first obtained.

10. He will not, without the full knowledge and consent of his client or employer, have an interest in any business which may influence his judgment in regard to the work for which he is engaged.

11. He will not, for the same service, accept compensation of any kind, other than from his client, principal, or employer, without full disclosure, knowledge, and consent of all parties concerned.

12. He will engage, or advise his client or employer to engage, other experts and specialists in forestry and related fields whenever the client's or employer's interests would be best served by such actions, and will cooperate freely with them in their work.

Relations with Professional Foresters

13. He will at all times strive to protect the forestry profession collectively and individually from misrepresentation and misunderstanding.

14. He will aid in safeguarding the profession against the admission to its ranks of persons unqualified because of lack of good moral character or of adequate training.

15. In writing or in speech he will be scrupulous to give full credit to others, in so far as his knowledge goes, for procedures and methods devised or discovered and ideas advanced or aid given.

16. He will not intentionally and without just cause, directly or indirectly, injure the reputation or business of another forester.

17. If he has substantial and convincing evidence of unprofessional conduct of a forester, he will present the information to the proper authority for action.

18. He will not compete with another forester on the basis of charges for work by underbidding through reduction of his quoted fee after being informed of the fee quoted by a competitor.

19. He will not use the advantages of a salaried position to compete unfairly with another forester.

20. He will not attempt to supplant another forester in a particular employment, after becoming aware that the latter has been definitely engaged.

21. He will not review the work of another forester, for the latter's employer, without the other's knowledge, unless the latter's connection with the work has been terminated.

22. He will base all letters of reference or oral recommendation on a fair and unbiased evaluation of the party concerned.

23. To the best of his ability he will support, work for, and adhere to the principles of the merit system of employment.

24. He will not participate in soliciting or collecting financial contributions from subordinates or employees for political purposes.

25. He will uphold the principle of appropriate and adequate compensation for those engaged in forestry work, including those in subordinate positions, so being in the public interest and maintaining the standards of the profession.
KEITH ALLEN BAUER, Forest Management, has chosen Watershed Management as his special interest. He is undecided on what he will do after graduation. His hobbies are sports and hunting. Keith was in the U.S. Army for three years, 1959-1962, and attended Parsons College for one year, 1957-1958, where he was in the Parsons College Band and the Parsons College Chorus. Keith attended the 1963 Winter Park, Colorado, summer camp. He is from West Chester, Iowa.

GEORGE E. BAILEY. George is majoring in Forest Management. We feel that he must have set a record, at least in our forestry department, for the largest number of years between start and finish of college. George has been out of school for 30 years. He attended the 1932 summer camp. In 1933 he left Ames to work for the Soil Conservation Service and has been with them since. He lacked approximately one quarter to finish. This winter he took enough of his annual leave from the S.C.S. to come back to Iowa State University to finish his degree. He and his wife Florence have two children who have graduated from college. When George has time to spend as he likes, he usually spends it woodworking or gardening. The Baileys are from Wray, Colorado.

GORDON GLENN CAMPBELL, Forest Products, is considering going on to graduate school. His experiences include T.S.I. and Mistletoe work on the Arapaho N.F., Colorado, and extensive Timber Survey on the Challis and Caribou N.F., Idaho. He attended the 1962 summer camp. For hobbies he lists photography, hunting, swimming, basketball, and weight lifting. Gordon is a member of the S.A.F., Forest Products Research Society, Forestry Club, and the Weight Lifters Club. His home is Hartford, Iowa.

GENE H. CHRISTENSEN, Forest Management, plans to work for the U.S.F.S. after graduation and later join the Army Reserves. Gene worked in dwarf mistletoe control on the Arapaho N.F., and as a Forestry Aid on the Olympic N.F., Washington. He attended the 1962 summer camp. His extra-curricular activities include the University Lutheran Youth Organization and Circle K, a branch organization of the Kiwanis Club. His hobbies are hunting, fishing, swimming, golf, and bowling. Gene came to I.S.U. from Mason City, Iowa.

BARRY C. CUSHING, Forest Management, is emphasizing Range Management in his major. He plans to work in Range Management for the BLM after graduation. Barry is interested in carpentry and card-playing. Bowling must be added to his interests since he is captain of the Iowa State Bowling Team. Barry attended summer camp in 1960, spent one summer working for the Forest Service at Gunnison, Colorado, and one summer working for the BLM at Baker Oregon. He calls Shelby, Iowa, home.
JOHN M. DEVILBISS, Forest Management, plans to serve in the navy following graduation. John attended the 1962 Winter Park, Colorado, summer camp. He has worked with the U.S.F.S. on the St. Joe, H.F., in Northern Idaho. He is Assistant Editor of the 1964 Ames Forester, and was the 1963 Summer Camp Editor. His hobbies include mountain climbing, skiing, hunting, and reading. He is a member of the S.A.F., Newman Club, and also belongs to the Sigma Phi Epsilon Fraternity. John is from Burlington, Iowa.

GARY FRANKLIN FIRCH, Forest Management, plans to work for the U.S.F.S. after graduation, if the Army doesn't call him first. He attended the 1961 Winter Park, Colorado, summer camp. His experiences include inventory work for the U.S.F.S. on the Willamette N.F., Oakridge, Oregon, in 1962, and for the Pacific N.W. Forest and Range Experiment Station in S.W. Washington, 1963. Gary is co-chairman of the Forestry Club Intramurals. His hobbies are hunting, fishing, trapping, and sports. He comes to I.S.U. from Bridgewater, Iowa.

CRAIG ALLEN FISCHER, Forest Products, plans to work for private industry after graduation. His hobbies include woodworking and sports. Craig attended the 1962 summer camp. He is married and his wife's name is Susan. Craig comes to I.S.U. from Gary, Illinois.

F. PHILIP HECKENBERG, Forest Products, plans to go into the wood processing business on his own after graduation. He is unique among the foresters at I.S.U. in that he presently owns a sawmill. He has harvested and bought logs, pulp, and cooperage, and has planted a Scotch and Austrian Pine plantation in Southeast Iowa. Phil is Features Editor of the 1964 Ames Forester. He is a member of the S.A.F., Forest Products Research Society, and Beta Theta Pi Social Fraternity. He attended the 1962 summer camp. His home is Mediapolis, Iowa.

JOHN HINRICHS, Forest Management, plans to go into Military Service after graduation and then work for the U.S.F.S. John attended the 1963 summer camp at Winter Park, Colorado. He is a member of the Forestry Club, and is Alumni Co-Editor of the Ames Forester. His hobbies are hunting, fishing, and camping. John is from Waukon, Iowa.

STEPHEN A. KELLEY, Forest Management, plans to work for the U.S.F.S. He has worked two summers with the U.S.F.S. on the St. Joe National Forest, Idaho, and one summer for the Schoenman Lumber Co. in Ames. Steve was editor of the 1963 Driftwood. He is interested in all outdoor sports with hunting and fishing at the top of the list. He also enjoys reading. Steve is married and his wife's name is Marlene. He hails from Clarinda, Iowa.

DONALD L. MEYER, Forest Management, plans to work for the Forest Service after graduation. His experiences include summer camp in 1961, one summer on the Mark Twain National Forest in Missouri, and one summer on the Arapaho National Forest in Colorado. His extra-curricular activities include Holst Tract Co-chairman, and member of the Forestry Student-Faculty Relations Committee. Don is married and his wife's name is Judy. His home is Sac City, Iowa.
MILAN MAX MILLER, Forest Management, plans to enter graduate school. He is presently on the Eli Lilly Advanced Curriculum. He attended the 1961 summer camp, and worked on timber inventory on the Williamette National Forest, Oregon, in 1962. His main interests are fishing and photography. His extracurricular activities include Lambda Chi Alpha Fraternity, and Varsity Band and Orchestra. Milan is a photographer for the 1964 Ames Forester. He calls Indianola, Iowa, home.

LARRY DEAN MORRISON, Forest Management, plans to work for private industry after graduation. He has worked 4 summers for the U.S. Forest Service on the White River N.F., Colorado. He attended summer camp in 1957. His hobbies are hunting and fishing. Larry is married and he and his wife have two sons. Larry hails from Ames, Iowa.

NEAL MORRISON, Neal majored in Timber Management. He graduated the winter quarter of 1963-64, and went to work for the P.N.W. Forest and Range Exp. Station, Portland, Oregon. Neal was a member of the Alpha Kappa Lambda Fraternity. His interests include swimming, tennis, basketball, and bird study. His home in Cincinnati, Iowa.

ROBERT C. MUSSELMAN, Forest Management, has a special interest in Silviculture, Silvics, and Ecology. He plans to attend graduate school after graduation. During summer vacations Bob has attended summer camp, 1961, worked for the U.S. Forest Service in forest survey, Pacific N.W., 1962, and an range survey for the BLM in the summer of 1963. His hobbies are hunting and fishing. He is a member of the Forestry Club. Bob calls Sioux City, Iowa, home.

CLIFFORD R. NASER, Forest Management, plans to go into the Air Force after graduation. His experience in forestry includes working as a fire lookout in Northern Idaho, working on a Hot-shot Fire Control Crew in Montana, and cruising timber for the Iowa State Conservation Commission. Cliff went to the 1962 Winter Park, Colorado, summer camp. His hobbies are fishing, camping, and canoeing. He comes to I.S.U. from Fort Dodge, Iowa.

GERALD L. NILLES, Forest Management, plans to work for the Forest Service or the BLM after graduation. He attended summer camp in 1962 and has worked two summers for the Forest Service. His hobbies are hunting and fishing. Gerald is the Alumni Editor for the 1964 Ames Forester. He hails from Ashton, Iowa.

WILLIAM J. OBRIEN. Bill is majoring in Forest Management. He is unique among the forestry students in that he is already a District Ranger. Bill left Ames in 1953 to work for the Forest Service. In the nine years he has been with them, he has worked his way to District Ranger at the Lolo Ranger Station, Lolo, Montana. He was short one quarter of having his degree. This year he was granted enough leave to come back to Ames and finish his college. His hobbies include photography, reading, hunting, and fishing. Bill and his wife, Agnes, have four children. They consider Lolo, Montana, home.
LARRY GEORGE PERRY, Range Management, has indefinite plans for after graduation. He attended the 1960 summer camp, worked 9 months cruising timber, and 6 months taking permanent plots in Montana. Larry's hobbies are varied but hunting and fishing seem to head the list. He has been active in intramural sports. Larry comes to I.S.U. from Vanwert, Iowa.

WILLIAM J. PIERATT, Forest Management, plans to work for the BLM upon graduation. He has been active in extra-curricular activities such as Vice President of Bennett House, President of Bennett House, and a member of the M.R.A. Main Cabinet Constitution Committee. During his summer vacations, Bill has attended the 1961 summer camp, worked for the USFS Inventory on the Williamette N.F., Oregon, and also as a Forestry Aid for the BLM, Missoula, Montana. Bill enjoys hunting, fishing, and photography. He hails from Dublin's sister city of Emmetsburg, Iowa.

LARRY L. ROBBINS, Forest Management, plans to work with private industry after graduation. He attended the 1963 Winter Park, Colorado, summer camp. Larry is the 1964 Faculty Editor of the Ames Forester. His hobbies include hunting, fishing, and reading history. He was with the Iowa Highway Patrol before coming back to complete his degree. Larry is married and his wife, Suzy, is also attending I.S.U. They have one son. Larry is from Grandview, Iowa.

JOHN REESE THURMAN, Forest Management, plans to attend graduate school in wildlife management, and lists as his hobbies anything that is concerned with nature. John was a recipient of the 196 Hartman Travel Award. He attended the 1962 Winter Park, Colorado, summer camp. He worked on the Kaniksu National Forest, Idaho, in 1961, the Arapaho National Forest, Colorado, in 1962, and for the S.E. Forest Experiment Station, Asheville, North Carolina. Some of John's activities include Forestry Club Treasurer, Business Manager of the Ames Forester, and member of Gamma Sigma Delta Honorary Fraternity. He is also a member of the S.A.F. Wherever John goes he seems to find part of his home—Evansville, Wisconsin.

RAY E. WILSON, Forest Management, plans to work with the U.S.F.S. after graduation. Ray attended the 1962 summer camp and has worked one summer with the U.S.F.S. on the Wallowa-Whitman N.F., Oregon. He is the 1963 Vice President of the Forestry Club and is also a member of the Phi Kappa Phi Honor Society. His hobbies are hunting, fishing, and golf. Ray is married and he and his wife, Karen, have two children. Ray is a licensed barber and has gone through school behind his clippers. He comes to I.S.U. from Pierson, Iowa.
ISU FORESTERS

Don Lindsay

Tom Crow, James Berryhill, Darrell DeVault, J. Milton Cone, Chuck Henry, Mike King, Roger McCay, David Hamilton Jr., Gary Riessen.

Lee Garber, Larry Gash.

Larry Gash, David Harcharik, Robert Sasse, Brian Angell, Dan Koch, Lee Allison, Gary Sieren, Steve Longval, Garry Jorgensen, Steve Lindblom.

Al Everson
Darrel Theriault, Loran Jones, Ray Van Wyngarden, Dale Robison, Glen Jackson.


Billy Bents, Dewaine Clausen, Haldor Stadel, Mark Oliver, Ross Writer, Roger Fight, Kenneth Phipps, Richard Teller and Jim Schnabel.
Front row: Mike Bradley, Steve Brenton, Walter Boskovich, Bernie Miller, Robert Braido, William Einspahr
Kenneth Phipps, Ross Writer.
Second row: Tom Bachmann, Richard Teller, Robert Smith, Mark Schultheiss, Charles Super, Melvin Spies,
Aaron Campbell, Wayne Ross.
Third row: Dewaine Clausen, Dennis Bokemeier.

AMES FORESTER
The 1963 Iowa Legislature has appropriated 2.7 million dollars to construct a new building for the Departments of Botany and Forestry. This appropriation will be supplemented by a 1.1 million dollar grant from the National Science Foundation to improve the building’s research facilities.

The four-story structure with its 140,000 square feet of floor area will provide sizeable increases in space and vastly improved facilities for both departments. It will be located east of MacKay (Home Economics) and west of Agronomy, on the south side of Osborn Drive (6th Street). Completely air-conditioned, it will be one of the largest and most modern and effective buildings on campus.

The Forestry Department will be located primarily on the second floor with additional ground-floor for heavier equipment for teaching and research in wood products.

Forestry facilities of particular interest will include private offices for all faculty, a modern general office, adequate office, computational and other facilities for graduate students, a faculty-graduate student reading room, and laboratories for research in silvics, tree physiology, mensuration, wood anatomy, and wood mechanics. Undergraduate students will benefit from the modern teaching labs and classrooms, a private office for the Ames Forester, improved facilities for the Forestry Club, better counselling and teacher-student contact opportunities, and a classroom designed for group participation in management and policy case studies and senior and graduate seminars.

The forestry facilities will reflect the faculty’s effort to make more effective use of students’ class time by placing even greater emphasis on student participation in labs, discussion sessions, and courses involving independent action and problem solving. It will reflect the increasing importance of research and graduate study in forestry in general, and particularly in the areas of silvics, tree physiology, statistics as applied to forestry, wood science, and forestry economics.

We hope that building contracts will be let this fall and construction will start soon thereafter. We hope to occupy the building within two years.

This fine facility will fulfill one of the dreams of Prof. Mac and Professor Hartman, as well as other Iowa State forestry professors who have over the years sought improved facilities for forestry teaching and research.
1963
Summer Camp

by
ROBERT SASSE

LAST JUNE our rambling summer camp came to rest in the rugged mountains of Colorado’s Winter Park area for the third successive year—and with due reason. The area is unique in its multiple use combination of wood, water, wildlife, forage, and recreation. This interaction served well the camp’s main purpose—to provide a familiarization with the fundamental fields of forestry as well as their demands on the individual and the satisfactions they provide in return.

“Sure takes a long time to color these confounded logs with lumber crayons.”

“Getting the lowdown from local District Ranger Henry Haalck.”

Through the summer the area’s natural resources were interpreted to us often in a somewhat different perspective by many management specialists. In addition several federal land management agencies provided a clear picture of their objectives as well as the problems commonly encountered in managing these resources. We spent one of our most interesting days discussing fish and wildlife management with two state conservation department officials. Another intriguing day was spent with a geologist in the high country learning of the area’s geologic formation, structure, and significance.

Unlike many previous summer camps, we were well-equipped with modern facilities allowing much more time for our studies. Idle moments, however, were confined to weekend recreation, which improved in some respects with the onslaught of the tourist season. The cool brisk morning air usually brought a truck ride followed by incessant note-taking.
which kept us alert, well at least awake, well at least ah... ho... hum.

We even acquired some insight into the field of research in our travels. The results of considerable research on watershed and range problems were shown to us at the Fraser and Manitou Experimental Forests. In fact some research was carried on back at camp occasionnally on such problems as whose beard needed thinning and who was forever pulling out the air mattress plug.

A considerable amount of time at camp was also spent in applying our learning to practical and valuable field experience. Some of these tasks were surveying, forest site classification, and timber cruising, followed by topographic mapping and report-writing. The last day brought forth a final test on cruising, but our errors were so grotesque as to make any estimate of reliability ridiculous. That evening a memorable steak fry was held at the Devil's Thumb Ranch after which we sang folksongs beside the campfire. Thus ended the days that wrought frameworks on which to direct the future building of our careers.
There were about sixty members in the Forestry Club this year. The club's purpose has been to give foresters a chance to work together and assist their classmates. Its programs and guest speakers have also provided foresters with recreation and a broader look at the profession.

Last year's activities ended with the Midwest Foresters' Conclave held at Michigan Tech. Ten schools sent foresters to the gathering. Freshmen initiation highlighted the Fall Foresters' Day to start off this year's activities. Foresters later earned their Game Banquet by tracking down the main dish, pheasant. Dr. Robert Colwell provided a revealing and applicable speech on the use of aerial photography after the dinner. This Spring Foresters' Day will be held at the Isaac Walton clubgrounds and includes the Faculty Awards Dinner. The afternoon's tournament will support eleven events including bait casting, trap shooting, and a hand compass-pacing traverse. Presentation of scholarships and recognition awards by the faculty will end the day's program.

This year's Conclave will be at Michigan State and will have eleven events including the new pole balancing contest. Iowa State couldn't score much lower than last year, however, the outing provides an excellent opportunity to establish friendship among schools and foresters. Veishea Open House will feature the theme "Better Forestry through Education." It will depict the Iowa State forester's curriculum along with the careers that he pursues.

The Forestry Club's only source of income is its annual Christmas tree sales. The foresters made a considerably higher income this year than ever before. Good sales were made for the trees, cones, and greens, with the Wisconsin Norway Pine being especially profitable.

Dr. Kenneth Ware deserves high praise for his contributions as club advisor during the past year.
'63 Hartman Fellows Go East

In the spring quarter of the academic year 1962-1963, John Thurman, Bill Pieratt, and I were informed by Dr.'s Stoltenberg and Gatherum that we were the second trio of seniors selected to make the coveted George B. Hartman Award Trip, guided by them.

The days from October 19-27, 1963, provided us with exceptional opportunities to become intimately involved with the profession of forestry. During the course of our tour of New England we observed forest types and forestry practices in a region new to the three of us. The many visits to research centers, forest industries, recreational areas of the northeast were most informative and enjoyable. The Society of American Foresters meeting in Boston gave us a look at the workings of a very progressive profession. The alumni dinner and the people we met there made us very proud to be a part of the Iowa State Forestry Department.

All these wonderful experiences were no less valuable than the continuous association with the two members of the forestry faculty. The contagious enthusiasm of these two outstanding men was a primary factor in making the trip a rewarding and inspiring experience. To them and to the alumni we extend our sincere gratitude for a trip we will never forget.

Dave Young

Game Banquet

A large crowd of approximately 140 persons attended the Foresters' annual Game Banquet, January 9th in the Memorial Union. A dinner of pheasant and a very interesting and entertaining speaker highlighted the evening.

After Dr. D. W. Bensend delivered invocation and the pheasant was eaten, Don Lindsay, Master of Ceremonies, began the evening's program by introducing the guests at the head table. Guests of honor, Dr. J. M. Aikman, Professor of Botany, and Dr. Louis Thompson, Associate Dean of Agriculture, were introduced by Dr. Stoltenberg. Dr. Aikman was further honored when Gene Hertel on behalf of the Iowa Chapter of the Society of American Foresters presented the retiring Professor with the Frudden Award for his many contributions to the field of Iowa Forestry.

Forestry Club accomplishments for the past year were summarized by club president Marlin Johnson.

Dr. Robert N. Colwell, Professor of Forestry at the University of California, was the guest speaker. Dr. Colwell was sponsored by the Society of American Foresters on the Visiting Scientist Program and had given lectures on the Iowa State Campus during the week. We were indeed fortunate that Dr. Colwell was able to speak at our banquet. Using informative and colorful slides and generous portions of humor, he spoke on the uses of aerial photogrammetry.
About forty I.S.U. Foresters, wives, and girlfriends converged on Innis Grove in Ames on October 12, 1963, in a successful effort to forget the books and concentrate on some light-hearted fun and fellowship. Staff members Drs. Bensend, Thomson, and Hopkins joined us for the festivities. We were further honored to have with us "Mr. J. F. Kennedy" (Dennis Murphy), "Mr. Stewart Udall" (Bill Spinner), and "Pierre," the French-Canadian pulp cutter (Jim Rocca). Before these dignitaries we demonstrated our skill in match-splitting (won by Mark Oliver), two-man bucking (won by Rog McCay and Dave Harcharik), chain-throwing (won by John Thurman), and log-throwing (won by Gordon Campbell).
Two-man bucking.

**RS' DAY—1963**

A few brave souls tried the new stunt called barrel-riding. Apparently the objective was to see how long you cared to expose yourself to imminent death! Dennis Murphy and Ray Van Wyngarden actually managed to keep it up for twenty seconds. The radio broadcast of the I.S.U.-Kansas game inspired some to play football; others tried the summer camp pastimes of volleyball and horseshoes.

After supper we voted for the “best-dressed” forester. Kennedy won over Udall and Pierre after much deliberation. Before we disbanded, Pierre led some songs and kept everyone laughing whenever they weren't singing. Thanks to Foresters' Day Chairman Al Everson, The Lumber Jills who provided the eats, and all who helped, a good time was had by all.

Precision.

The Olympics.

Meanwhile, back at the chain.
Presently, the Lumber Jills have twelve members and hold regular monthly meetings in the lounge of the Women's Gym. A special program is planned for each meeting. This year's programs included a talk by Dr. William McCormack, Pediatrician, and a visit to Bleeker's Furniture Store in Ames.

Every year Christmas candy and cookies are sent to the Polk County Home and toys are sent to the Woodward Children's Home.

One of the highlights of the club's social activities is the giving of diplomas to the wives of graduating seniors. Each spring these diplomas, known as "P.H.T.'s" (Putting Hubby Through) are given to the wives at a dinner with their husbands. Another highlight is the tea given for the forestry faculty wives each spring.

This is the second year that the Lumber Jills have been charter members of the National Association of Forestry Student Wives.

This year's officers are: Karen Wilson, President; Nancy Terry, Vice-President; Mary Beth Sweeney, Secretary-Treasurer; Felicia Danielson, Historian; Judy Ehlers, Corresponding Secretary; and Mrs. Kenneth Ware, faculty advisor.

Driftwood

The Driftwood is published by the Forestry Club, generally once each quarter during the school year. This year Craig Fischer and Steve Kelley are taking care of the co-editorship responsibilities. The Driftwood contains student writings, giving students a chance to express their opinions. Those who have experience in certain specific areas of interest may also contribute. In the future the Driftwood will be stressing more promotional articles about the activities of the Forestry Club.
"They never pulled like this in Montana."

**Tug-of-War**

The Foresters and CE's renewed their annual rivalry on the intramural field on October 19th. What might have been a happy ending to Engineers' Day was changed when 15 Foresters out-pulled 15 CE's two out of three times in a Tug-Of-War. The traveling trophy at stake for the event still remains with the Foresters as it has since 1960. Professor Kellogg served as judge and starter for the event.

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**Christmas Tree Sales**

This year's Christmas Tree Sales, although a bit chilling to the feet, brought record-breaking revenues to the club treasury. Here Forestry Club President Marlin Johnson exhibits a tree for a coed, while Gary Riesen entices her with a giant sugar pine cone.

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**Holst Tract**

Recent revitalization of the Forestry Club-managed Holst State Forest included red pine pruning (above). Future plans are the building of a pistol range, some additional planting, cooperative conservation activities with the Boy Scouts, and increased Forestry Club activities in the area.
THEN HE MADE THE WIND TO BLOW

By J. A. Larsen

From out this drowsy sleep I'll wake;—
Shake off this slothful spell.
For I an effort now will make
To raise an ocean swell!
I'll pound and crush the headland rocks,
Where jagged shorelines pass;
And splinter timber, boats and docks,
Into a frothing mass.
Those proudly towering Douglas trees,
I'll load with sleet and snow.
Then summon up more than a breeze,
And lay those giants low.
Then up and o'er the mountain spurs;
To romp and rage and wreck
Those puny, stymied gnarly firs,
And all their branches break.
The slopes that face the setting sun,
Shall be like tinder dry at last.
And where the lightning fire began,
Shall come a holocaust.
That tottering lookout tower I'll strike
With all my might and main!
And never shall they find that map,
Nor frying pans again.
Across the plains with rush and roar
I chase the tumble weed.
O'er roads and rails and cattle ranch,
Wherever it might seed.
I love to steal the pollen from
All trees and brush and fling
It fertilizing wher'-ere it come;
New races ever bring.
By day and night o'er sea and land;
From west and to the eastern shores
Forever with a lavish hand
I spread the fungus spores.
The silt and Badland dust and duffs
Laid on Nebraska's shore,
I used to build the Council Bluffs
For hillside farms and more.
The inter-fluvial glacial drifts
I scraped with rain and snow;
To level out those Iowa rifts,
For corn and oats to grow.
O'er South and East and through the land,
Where slums and filth abound
I'll generate a hurricane,—
With cleansing most profound.
ALUMNI
Moessner, Karl E. He is employed in the field of photo interpretation and training in connection with forest survey at the Intermountain Forest and Range Exp. Station at Ogden, Utah.

Pecaro, George J. Married and has two children and three grandchildren. Also President of the Flintkote Co.

Runkel, Sylvan T. Forester and Biologist with the S.C.S. He has published several papers on Wildlife in Iowa. His oldest son is Chaplain at the South Dakota State Institution at Plankinton. One daughter is married, one is in college, and three sons are at home.

Garver, Raymond D. Is retired from the U.S.F.S. and has one son and five grandchildren. He belongs to Chevy Chase Citizens Ass’n, Chevy Chase Fossils, and the Society of American Foresters.

McCormick, Leighton E. H. His family has shrunk to Bessie, Mac, and the old cat. Daughters Barbara and Jo Ellen live in Denver, Colorado, and son Leighton is in the Marines.

Zimmerman, Elliott W. Has a wife and two married sons. One is an administrator at St. Luke’s Hospital, Milwaukee, the other is a medical student at the University of Wisconsin.

CLASS OF 1966
Campton, K. C. Has two boys, one a junior in high school and the other in 9th grade. He was elected vice-chairman for Ohio Valley Section of FPRS.

Getty, Russell E. Is State Director of the BLM for Oregon and Washington. He is a married and has four children.

Cranston, Keith. Forestry Consultant throughout the South and Southeast for industrial and private landowners since 1947, with headquarters in Lreland, Mississippi. Formerly with the TVA in CCC days, Corps of Engineers, the Farm Forester with Louisiana Agricultural Service, Project Forester with the timber Production Project, on the Re-Appraisal of the South in 1945, and with the Hardwood Branch, So. Forest Experiment Station, Stoneville, Miss. Has a wife, Izella Reppe Cranston, (ex. Iowa State) grad. of Delta State College, Cleveland, Mississippi 1960. Daughter is Sylvia Cranston McDaniel, with 4 children.

CLASS OF 1937
Owby, James F. Has a son at ISU and a daughter at SUI.

CLASS OF 1939
Bjornson, Harold B. Was granted the honorary degree of Doctor of Divinity last spring. His daughter was married June 3rd to Douglas Brown. They had both graduated from Linfield College the day before.

Chambers, Wayne R. Is a Photogrammetric Engineer with R. M. Towill Inc. He is working on a photogrammetry and precise control survey for the San Francisco Bay area Rapid Transit Project.

Grau, Robert B. Has a wife, Ruth, and 4 children; 3 boys and 1 girl.

Hoskins, Robert N. Married and has four children, three daughters and one son. Children’s names: Nancy 15, Mary 13, Julia 11, and Robert 8.

Miller, Norman R. Has a wife, Evelyn, sons Tim, 16, and Christopher, 5, daughters Kitty and Cindy, 15 and 10.

CLASS OF 1940
Applequist, Martin B. Has 3 children; Edward, 18. Mark, 15, Karen, 11, also wife Louise.

Benda, Kenneth. Is a State Senator and State Chairman of Personnel Administration.
for Radio Free Europe which recently sent him on a tour of Germany. His daughter, Barbara, is a senior at Grinnell College; son, James is in the 7th grade.

Cutler, Vern H. Has a son, Gene, in his 2nd year of Pre-Med. at Emory University; son, Danny has another year of high school; daughter, Pamela, is looking forward to high school in 2 more years.

Schuane, Henry H. Retired from the U.S. Air Force and moved to Idaho.

CLASS OF 1941
Cool, Bing. Has three girls aged 19, 16, and 6.

CLASS OF 1942
Aastin, Don B. Administration and Management of company lands of American Can Co. He is married and has one 15 year old son.

Our prodigal
Senior Editor,
Don Leaverton.

Buck, George A. Returned February 1963 from 39 months in Mannheim, Germany. Retired as Lt. Col. from U. S. Army on December 1, 1963. He will attend Drake University as full time student beginning February 1964. He is married and has one son 10 years old.

Jensen, Harold J. Working in reforestation on the Gifford Pinchot National Forest. He has four children in school. His wife, Helen, is active in Cub Scout work.

Quirin, Arthur F. Now in the life insurance business as a special agent of Northwestern Mutual Life Insurance Co. of Milwaukee, Wisconsin. He is still interested in the lumber business. Has a son, Jim, in the University or Oregon Honors College; a daughter, Sue, at Antioch College; a son, Tom, at Dallas High School; a son, Rick, who is the youngest.

Rice, William. Is a partner in a wholesale lumber dealing firm concerned with west coast lumber and a Northern Michigan stand mill. He is married with wife, Bea, and four children, Bob 15, Cynthia 11, Richard 9, and Billy 2 months.

CLASS OF 1943
Porter, G. I. Has his own business, G. I. Porter Assocs., which is tied in directly with recreation and watershed protection as a basis for maintaining and improving hunting and fishing.

Thompson, C. W. "Doc" is still with the ISU Forestry Department, teaching Forest Management and Photogrammetry and carrying out counselling duties.

CLASS OF 1946
Allyn, Allan. Engaged in land and timber acquisition and tree farm family activities for Crandon Paper Mills, Inc. in Fort Madison, Iowa. He has a wife, Vesta, and a 4-year old son, Mike.

Little, Warren T. Is presently chief of the Division of Timber Management Research at Upper Darby, Pa. Warren served as Chairman of the Division of Forest Management at the 1963 National SAF meeting in Boston. He attended the Second North American Forest Soils Conference at Oregon State University in August, 1963. Recently had lunch with Bill Chilcote (’43) and his wife; the first time he had seen Bill in 20 years. Warren’s daughter, Linda, is a sophomore at Pennsylvania State University this year.

CLASS OF 1947
Crowther, C. R. Is Associate Professor of Forestry at Michigan College of Mining and Technology.

Herrick, David. He is married and has a wife, Ann, a daughter Michelle 19, a sophomore at Southern Ill. U. and a son, David, 10.

Halbrook, Quincy X. Is a civil engineer for the USGS and is a member of the American Society of Photogrammetry.

Kucera, Clair L. Is chairman of the Botany Department at the University of Missouri at Columbia. He has been active in biological research, both in Missouri and Costa Rica and will take a leave of absence next year for travel, writing and research.

Linder, Ward O. Is Sales Representative for Rexford Paper Co. in Milwaukee, Wis.

Montgomery, Joel. Is working in sales for Gittings Lumber Company in Denver, Colorado. He and his wife, Maxine, joined the 1963 summer campers for Sunday dinner at Winter Park last summer.


Van Gilst, G. W. Is serving as Supervisor on the South Tongass National Forest in Alaska, living in Ketchikan. His two girls are in the 8th and 1st grade; his son is in the fifth grade.

CLASS OF 1948
Arten, William H. Is employed by the Forest Service as Timber Management Assistant in Texas. He is married and reports no children. He is active in his local SAF group and belongs to the American Forestry Association and the Texas Forestry Association.

Teuber, Ross L. Ross is an Instructor General at the new USFS Training Center at Continental Divide, New Mexico. His family consists of wife, Clara, son Larry Ross 12, and daughter Rebecca Ann 9. See article this issue.

CLASS OF 1949
Doolittle, Darle M. He is married and has two daughters, Tamara and Cynthia and wife, Donna.

Harrington, Thaddeus S. Mr. Harrington is in timber management research. He is married and has five children; Jeff 8, Patty 7, Timmy 5, Matthew 4, and Teresa 1.

Schmidt, Howard N. Is supervising company logging operations for Crown Zellerbach Co. He recently had a write-up in Forest Industries and Pulpwood Production on logging and sawmilling. His wife was recently elected department historian for the Department of Louisiana American Legion Auxiliary.

CLASS OF 1950
Carson, Benjamin F. Has 2 sons, 17 and 12 years old. Transferring from Timber Management Staff of Chequamegan N.F. at Park Falls, Wisconsin, to Timber Sale Administration and Appraisal Staff, Region 10, Juneau, Alaska.

Gill, James M. Buyer of Forest Products for Wickes Corp., Medford, Oregon.

Jones, Robert E. Responsible for planning and programming line clearance activities for high voltage transmission lines for the Commonwealth Edison Company, Chicago. Robert and his wife, Barbara, have three children.

Knop, Blaine M. As V.P. of Kerns Company, Blaine is President of Grays Harbor Chair and Mfg. Co. and of Rogers Wood Products Co.
Kuefner, Wayne H. Has seven children and is superintendent of a paper mill for the Flintkote Co., San Leandro, Calif.

Larson, Richard E. Has worked with U.S.F.S. since 1951, and is currently assigned to Ohio and Wabash River Basin studied being conducted by U.S.D.A. Richard is single.

Riley, John R. Is single and has been a cartographer with the U.S. Navy for 12 years.

Schlick, William T. Chairman of the Central Oregon Chapter of S.A.F. and is spending January to June in Washington D.C. on a training program. He and his wife, Mary, have three children. Bill in the 8th grade, Kitty in the 6th, and Joe in the 5th.

CLASS OF 1951

Bauer, Theodore J. Is married and has two children.

Craft, Rolland E., Jr. He has been doing forest management and research work in northern Pennsylvania with the West Virginia Pulp and Paper Co.

Fleming, Lester C. Works for the Iowa State Conservation Commission. Has five children ranging in age from 3 to 14 years.

Glaser, Donald E. Works for U.S.F.S. and is a member of SAF. Has three children, ages 1, 2, and 12.

Hanson, Norman. Norm is a self-employed consulting forester and tree farmer at Drakesville, Iowa.

Hungate, George. Is married and has one daughter Annette Sue, age 2 years 7 months. George is president of the Superior Lumber Company at Iron Mountain, Michigan, and is engaged in distributing hardwood lumber.

Lang, Jervis W. Is sales manager of General Plywood Corp., Lockport, Iowa. Jervis is married and has two daughters.

Rehr, R. S. Sales representative for Potlatch Forests, Inc. Is married with one girl, and one boy.

Smith, Walter A. Is married and has four children. He is supervisor of the Delco Battery Corp., East Brunswick, N.J.

Tomaschkeski, J. He is chairman of the Eastside Foresters' Assoc. He is married and has 6 children.

Campbell, Donald C. Has a wife, Dorothy and three children, Deborah 10, Dunette 8, and Daniel 3. Don is a member of SAF, the American Forestry Association, and the Air Force Association. He is a Recreation Planner for the Bureau of Outdoor Recreation, Department of Interior.

Clark, Wendell P. Is currently conducting profitability studies of sawmills and plywood mills in Idaho. The results of these studies will form the basis for a 10-year operating plan. He plans to study opportunities for investment in specialized wood products in the near future. He has three children.

Hartman, T. A. Is owner and operator of the Ripplewood Resort, Big Sur, Calif. Ted is married and has three girls.

Haygreen, John. Associate Professor of Forest Products Engineering at the School of Forestry, University of Minn.

Hempfill, Merlyn W. Manufacturing Manager for Weyerhaeuser Co.

CLASS OF 1953

Arrasmith, Paul W. He is married and has 3 children, 2 daughters, ages 11 and 9 and one son age 5. He is a recreation specialist with the BLM concerned with planning, development and utilization of recreation resources of the public lands administered by the BLM in Washington and Oregon.

Campbell, Oliver F. Sells particleboard and plywood in Calif. He is married and has one son, Scott.


Pogue, Richard D. Is a forester in charge of the Spokane Indian Reservation, Cle-elum, Wash. Richard and his wife, Peggy have two boys, Mark 4 and Troy 1½ years old.

Shaw, Adalbert F. Is pilot for American Airlines, and is married.

CLASS OF 1954


KEYES, John C. Married and has three children, Anne 6, Michael 5, and Christopher 2. John is involved in State and private fire protection, management, tree planting assistance, and other state-private forestry programs in New Mexico.

Lassen, Lawrence. Works in the Division of Wood Quality Research, U.S. Forest Products Lab, Madison, Wisconsin. He is married and has two children.

Richards, Merrill L. Richard is married and has one child. He is a member of the American Society of Range Management.

Schallau, Con H. Con is a forest economist at the Lake States Forest Experiment Station. We received a letter from Mr. Schallau commenting on last year's issue for which we were most grateful. We'd appreciate hearing from all the alumni once in a while!

CLASS OF 1955

Barrington, John C. He is married and has three children, two daughters Noreen 7, and Jana 5, and one son Stephen 2. His wife's name is Mary Ann.

Chelstad, Gene. Gene is married and has a daughter, aged 2.

Jack, Lyre E. He is married and he and his wife, Alice, have three children, Nanci 7, Susan 6, and David 3.

Ploen, Delbert L. Married and has three sons, Mark, Jeff and Kye.

Ter Louw, Joe W. Joe is responsible for layout and administration of 126,000 Mbf annual cut on the Oakridge Ranger District, Willamette National Forest, Oregon. He and his wife, Ruth, have two sons.

Velduis, Jim. Conducting studies in levels of growing stock, healing rate of pruning wounds, and periodic growth and development of Black Hills ponderosa pine. He is chairman of the Black Hills Chapter of SAF. Jim is married and has one son.

CLASS OF 1956

Andreas, Lee G. Lee is Instructor of Conservation at Wisconsin State College and is Secretary-Treasurer of the Wisconsin Rapids Chapter of SAF. He is married and has two boys and one girl.

Clausen, Robert D. Robert is married and has two boys and one girl.

Devaul, Franklin D. Factory Superintendent for International Paper Co. He is married and has two children.

Gill, Ronald E. Married and has one son. Works on Line Sales for Georgia-Pacific.

How, David C. Dave is an Administrative Assistant with the BLM at Las Vegas, Nevada. He is married and has one daughter, 5 years old.

CLASS OF 1957

Albrecht, David J. Is married and has two daughters, Barbara 4, and Susan 1½ years old.
Ames Forester 61

Bohman, Lane J. Married and has four children.

Ethington, Robert. Bob is a member of FPRS, SWST, SAF, Sigma Xi, and Gamma Sigma Delta. He and his wife Ellen have two daughters, Teresa and Sheryl.

Perkins, John B. John is married and has sons, Brian 5 and Daniel 4.

Stewart, Robert E. Robert and his wife, Pat, have three children.

Yargas, Wayne. Forester for BIA at Wind River Reservation, where he moved from McNary, Arizona, Apache Reservation. He is married and has three children.

CLASS OF 1958

Arney, Richard J. Richard is a member of SAF. He is married and has one daughter.

Claussen, Melvin D. Melvin is working on timber sales and fire protection for the Pennsylvania Dept. of Forests and Water.

Muntz, Hilton. Reverend Muntz is the pastor of Grace Methodist church in Norway, Michigan. He is married and has one daughter, 16 months.

Saylor, L. C. Is doing research and teaching in the area of speciation and cytogenetics of forest trees. He is married; wife Marilyn, and daughter Christi.

Tomkins, George L. George is working on timber sale preparation, appraisal and administration. George is not married.

Williams, Henry S. He is married and has two sons, 3 and 1 1/2's and one daughter, 4 mo. Henry is a member of SAF and an employee of the Bureau of Indian Affairs.

CLASS OF 1959

Baker, Dean P. Dean is married and has one son, aged 2.

Bodenberger, Paul E. He is a member of SAF and the Forestry History Society, Western Forestry and Conservation Association. He is married; wife Eve Lynn and one son, Paul E., Jr.

Ficke, James E. Is married and has wife, Barbara, and son, Jim.

Fields, Bob L. He is a member of SAF, the Southeast Missouri Foresters Club, and the Lions Club. Bob has a wife, Patraica, two daughters, Debra 10 and Vicki 7, and one son, Timmy 2 1/2.

Hambrook, Richard L. Richard has a wife, Mary Ann, and three girls, Glenda Lee 6, Krista Ann 4, and Karla Jae 1.

Kaderabek, J. K. He is doing timber sales work, range rehabilitation, and erosion control. James is married and has two daughters, 3 1/2 and 2 yrs.

Swanson, William S. William is married and has two daughters, Valerie 2 and Leslie 2. He is a member of SAF.

Tyrel, Robert R. Robert is married and has three children, wife, Janeil, daughters Kari Kay, Lori Lynn, and son Steven Robert.

CLASS OF 1960

Goins, Richard. Richard is presently a forester with Weyerhaeuser, but he will be in Industrial Engineer-

ing starting in Jan. He has a wife Ruth but no children.

Hanks, Leland F. He is presently working on a U.S.F.S. log and tree grade project at the Central States Forest Experiment Station.

Jones, Robert L. Worked on Missouri National Forest for one year. He is presently in the U.S. Army. Bob has a wife Mary and a small daughter, Angela, 2 yrs.

Little, Harry G. Is engaged in range and wildlife studies, range improvement and revegetation projects, preparing management plans, and the administration of livestock grazing on the range district. He has three daughters, Laurie 7, Kathy 4, and Joyce 2 months and one son John, 18 months old.

Mueller, Arnold R. Is currently working on a compartmentalization study on the Malheur National Forest. He will be married this spring.

Smith, David W. Is currently with the USN. He and his wife Dea have one daughter, Laurie, aged 5.

Messerschmidt, Dale K. Dale has a wife, Catherine, and a son and daughter.

Spencer, Gerre L. Wife and three children ages 6, 3, and 10 months.

CLASS OF 1961

Aegyler, John C. Returned to old job as Project Forester on Klamath Range District in Nov. '62 after 5 mo. on military leave. John has a wife Brenda, (18U. Home Econ.) and a daughter, Cathleen, aged 2.

Howells, Benjamin. He is married with wife, Rhea Mae, and a daughter, Sarah 2.

Reves, Roger C. Roger will be released from the Army at the end of '63. He plans to spend the summer on his Father's farm by Minburn and then seek a forestry job in the fall.

Warick Carl D. Member of the S.A.F. and A.S.R.M. He has two children, David 2, and Karla Kae 2 months.

CLASS OF 1962

Bugsenhausen, Jon L. Presently in the U.S. Army, stationed in Augsburg, Germany.

Carter, Stanley W. Jr. Stanley is married and has no children. He is presently working on large scale layout including cru sing, marking unit locations, working appraisals, and advertisements and contracts. All training aimed at preparation for sale administration.

Cline, J. P. Field representative for Albenmarle Paper Co. He reports no additions to his family.

Gagen, Michael H. Presently in the U.S. Navy and plans completion of active duty in June-July of '64. He has a wife, Marilyn, and reports no children.

Lorio, Pete. He is married and has three girls and a boy—OOPS another arrival last Nov., a boy Peter L. III.

Norton, Calvin. He is married and has two children, aged 2 & 4.

Schwartz, Lorin P. Presently a practicing general forester doing recon, layout, cruising, appraisal and contract administrative work. Lorin is married and has two children; wife, Jean, daughter Lori 5, and son Jimmy 3.

Stepanek, Dean E. Dean is a range and forestry technologist with BLM. He was recently transferred from Shoshone, Idaho to Coeur d'Alene. He was married on June 15, 1963 to Wanda Lee Bancroft of Shoshone.

Voss, Ronald L. Ron is working for the Tahoe Timber Co. in Nevada. He is married and has a daughter, Robin age 1.

CLASS OF 1963

Meltzer, William H. Bill is working as a Service Forester in Kentucky. He is married and has no children.

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AMES FORESTER
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1900

MAST, W. H., Deceased.

1904

MERRITT, MELVIN L., Deceased.

1905

SECOR, ARTHUR J., Keosauqua, Iowa. Independent Forester.

1907

BALTHUS, RUSSELL FOREST, 2301 Bomar St., Vicksburg, Miss. Self employed.

1908

BAXTER, W. G., Deceased.

HAEKER, HENRY, 4242 Northeast Failing St., Portland 15, Ore., Retired.

1909

ALLEN SHIRLEY, 1187 S. Quince St., Escondido, Calif., Professor of Forestry, Emeritus, University of Michigan.

1911

FREEMAN, FRANK G., 1928 Greenleaf St., Santa Anna, Calif., Insurance

HOFMAN, ARTHUR F. C., Deceased.

KOEPKE, W. C., Address Uncertain.

REYNOLDSON, LeROY A., 6519 - 33rd St. N.W., Washington 15, D.C., Retired.

SMITH, PERCY T., Deceased.

WRITHAM, J. C., Deceased.

1912

LEESEL, L. R., Deceased.

O’BANION, A. C., Fertile, Minn.

RINGHEIM, H. L., Box 23, White Rock, B.C., Canada, Retired.

RICHMOND, HOWARD H., Cas Lake, Minn., Timber Producer.

SMITH, WILLIAM A., Deceased.

TRUAX, THOMAS R., 9813 Council Crest, Madison, Wis., Retired.

1913

BAXTER, L. J., Galva, Ia., Farming.

CLARK, H. B., 5001 Nicholas, Omaha, Neb., District Manager, A. E. Robinson Company, Irrigation Engineers.

HENSEL, R. L., Address Uncertain.

RINGHEIM, HORAGE L., Box 23, White Rock, B.C., Canada, Retired.

STEFFEN, EDWIN H., Deceased.

WATTS, LYLE F., Deceased.

1914

HASSEL, W. C., 1158 J. Ave., N.W., Cedar Rapids, Ia., Penick and Ford, Incorporated.

HAYES, RALPH W., Baton Rouge, La., Retired (School of Forestry, Louisiana State University).

NAGELL, WILLIAM M., Address unknown. Retired.

STETTERT, JOHN C., 249 S. Villa Ave., Villa Park, Ill., Real Estate.

VAN BOSKIRKS, Deceased.

WOLF, E. E., Ad. Unknown.

WOLVIN, RAY M., 1022 West 19th St., Santa Ana, Calif., Retired.

1915

BODE, IRWIN T., Beverly Park Apt. 2-D, 730 West Beverly Blvd., Whittier, Calif., Retired.

HARLEY, WILLIAM F., 1506 Park Ave., S.W., Albuquerque, N. Mex., President, J. C. Baldridge Lumber Company.

HICKS, LOWELL E., Address Uncertain.

SCHRECK, R. G., Deceased.

SMITH, R. F., 6649 Octio, Scottsdale, Ariz.

1916

CASSIDY, H. O., Deceased.

CORNELL, HARVEY H., 151 East Barcelona Road, Santa Fe, New Mex., Chief Landscape Architect, National Park Service.

GEISLER, MAX, 929 Wesley Ave., Evanston, Ill., Sales Promotion, Harris Miller Co.

MCCARTHY, C. C., 301 Edgewood Dr., Webster City, Ia., City Manager.

JONES, G. C., Address Uncertain.

1917

HARTMAN, GEORGE B., Deceased.

HARDY, A. S., 8520 Roosevelt Road, Oak Park, Ill., Sales Manager, Austin Brothers Construction Co.

QUINT, J. HARLEY, Deceased.

VEACH, CLAUDE H., 10921 Wattle Road, Tacoma 44, Wash.

1918

DAVIS, E. M., 321 Oxford Road, Madison, Wis., Principal Wood Technology, U.S. Forest Products Laboratory.

DONAHOO, JOHN F. 730 Captain Cook Ave., Apt. 538, Honolulu 14, Hawaii, Retired.

HADLOCK, FRANK D., Route 1, Rummerfield, Pa., Retired.

1919

DAVIS, EDWARD M., 3121 Oxford Road, Madison, Wis., Retired.

1920

BAKER, C. J., 5308 Clinton Ave., Minneapolis, Minn., Teaching.

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HOVER, VERNE B., 717 S. 7th, Cottage Grove, Ore., Self Employed.

JOY, E. C., Deceased.

MOORHEAD, JOHN W., Deceased.

MORRELL, FRED W., Retired.

WALL, LLOYD A., Box 392, Tooe, N. M., Retired.

1921

avery, N. A., Laramie Wyoming, Assistant Supervisor, Medicine Bow N. A.

cormany, CONRAD P., 240 Melrose Ave., Kenilworth, Ill., Self Employed.

1922

BUCK, R. L., AFO 28 N.Y., N.Y., Battalion Officer.

FENNELL, ROBERT K., 951 North Irvington, Indianapolis 19, Ind., Retired.

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1923

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1924

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1925

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1928

1929


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1931


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1932

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KLINE, GEORGE, Decedent.

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SCHAFFER, ARTHUR O., 714 Margaret St., Rhinelander, Wisc., Assistant Regional Forester, Northern National Forest.

SWANSON, CHARLES M., 89 Skyline Dr., Reno, Nev., Forester, Feather River Lumber Co.

1935

ANDERSON, CLARENCE E., Greenwood, So. C., District Ranger, Summer National Forest.

DUNN, MILFRED R., Address Uncertain.

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JOHNSON, R. VERLE, Lockwood Rd. RD 2, Peebokill, N.Y.

JULIE, W. LEROY, 14244 S. Wallace, Chicago 27, Ill., Limber Inspector, Cook County Lumber Company.


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PERREY, JAMES R., c/o Simpson Redwood Co., P. O. Box 95, Arcata, Calif., Assistant Superintendent, Simpson Redwood Co.


TRIBETT, VANCE A., Route 4, Box 700 Skyline Road, Salem, Oregon, U. S. Bureau of Land Management.

WIEHN, LEONARD J., 402 Anawanda Ave, Pittsburgh 34, Penn., Production Planning Department, U. S. Steel Co.

1987

BARTON, JAMES H., 6904 Dogwood Drive, Knoxville 18, Tenn., Tennessee Valley Authority.

BAUGHMAN, ROBERT W., Route 5, Ames, Ia., Laboratory Assistant, Dairy Industry Dept., Iowa State University.

BRADFORD, MORSE V., Address Uncertain.

COOK, G. H. FREEMAN, Box 324, Margaretta Gatun, Canal Zone, All Weather Estate (rubber plantation).

CORNWELL, WM. A., U. S. Post Office.

DANNENBERG, WALTER W., 1797 Marked, Greenfield, Miss., Woods Subst., U. S. Cypress Co., Greenville, Miss.

DAVIES, DONALD E., Ashworth Rd., Des Moines, Ia., Contract Plumber.

DeYOUNG, CLARENCE E., 1124 Scholl Road, Ames, Iowa, Chief Inspector, Iowa State University, Iowa Highway Commission.

DILWORTH, J. RICHARD, 3610 Harrison, Corvallis, Oregon, Head Div. of Forest Management, School of Forestry, Oregon State College.

EJERNHARD, CLAYTON C., Fremont, Iowa, Farming.

FOLLEN, Wm. FRANCIS, 541 Wilson-Wisp Way, Jackson, Miss., Sales Manager, Warren Wood Ibr. Co.

GRANSON, JOHN E., 954 Park Circle, Boone, Ia., Director, Alumni Development, Iowa State College.

HOLSCHE, CLARENCE E., 6605 Dahlonega Rd., Washington 16, D.C., Chief, Div. of Watershed Management Research, USFS.

1954

BATTEMAN, BRYANT A., 645 Leeward Drive, Baton Rouge 2, La., Chief, Div. of Timber Management, Director of Research, Georgia-Tallapoosa-Edwards Forestry School.

BATTLED, FRED C., 2269 Carter Ave., St. Paul 8, Minn., Librarian, Minneapolis & St. Paul Paper Co.

CAMPBELL, SAMUEL L., Route 1, Eldora, Iowa, Farming.

CHISHOLM, LYLE W., Box 85, Bemidji, Minn., Agency Forester, Minnesota, Department of Natural Resources.

DORMAN, KEITH WILLIAM, Box 2570, Asheville, North Carolina, Asst. Chief, Div. of Timber Management, Southeast Forest Experiment Station.

DURER, WILLIAM A., 121 Windsor Place, Syracuse 10, N. Y., Chairman, Department of Forest Economics, College of Forestry, State University of New York.

HATCH, W. L., Address Uncertain.


HUBBARD, JOHN W., Box 825, Big Falls, Minn., Forester, Minnesota and Ontario Paper Co.


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LEHMANN, ARTHUR F., Box 56, Keltys, Tex., Forester, Angelina County Lumber Company.

NEWVILLE, DAZOLD F., Superintendent, Minnesota Woodlands, Operations, Minnesota-Hudson Paper Co.

RICHMAN, HUGO W., Freepost, Ill., Soil Conservationist, Soil Conservation Service.


STRADD, GILBERT H., 2414 Walnut Drive N.W., Cleveland, Tennessee, Supervisor Cherokee National Forest.

SUEDER, ROBERT G., 2988 Carrilie Drive, San Bernardino, California, Chief Clerk, San Bernardino National Forest.

1955

BROWNFIELD, R. C., Box 551, Aanaconda, Mont.

CAMPBELL, RICHARD R., 1358 Hillendale, Salem, Ore., Forester, B. L. M., Oregon, State Forester, Oregon State University.

CHRISTENSEN, JOHN IRVING, 207 NE Blvd., Apt. 1, Gainesville, Fla., Forester, USFS.

CURTIS, ROBERT D., 1800 North St., Arlington, Virginia.

DANNEN, DWIGHT LEONARD, P. O. Box 429, St. Joseph, Mo., President, Dannen Mills, Inc.

DOWNEY, EARL J., Huntsville, Tex., Champion Paper & Fiber Co.

HARVEY, RALPH R., 512 West So. St., Winterset, Iowa, Soil Conservationist, Soil Conservation Service.

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JACOBSEN, REUBEN E., Mineral Wash., District Ranger, Snoqualmie Nat. Forest.

MORRIS, DORSEY J., Address Uncertain.

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THOMAS, GAIL M., 738 E. Emerson, Bend, Ore., District Forest Engineer, Western Pacific Association.

VANDENEVER, E. H., 5451 S.W. Ill., Portland 19, Ore.

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1956

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1942

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