

Idaho Forester

1972

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WILDLIFE & RANGE SCIENCES

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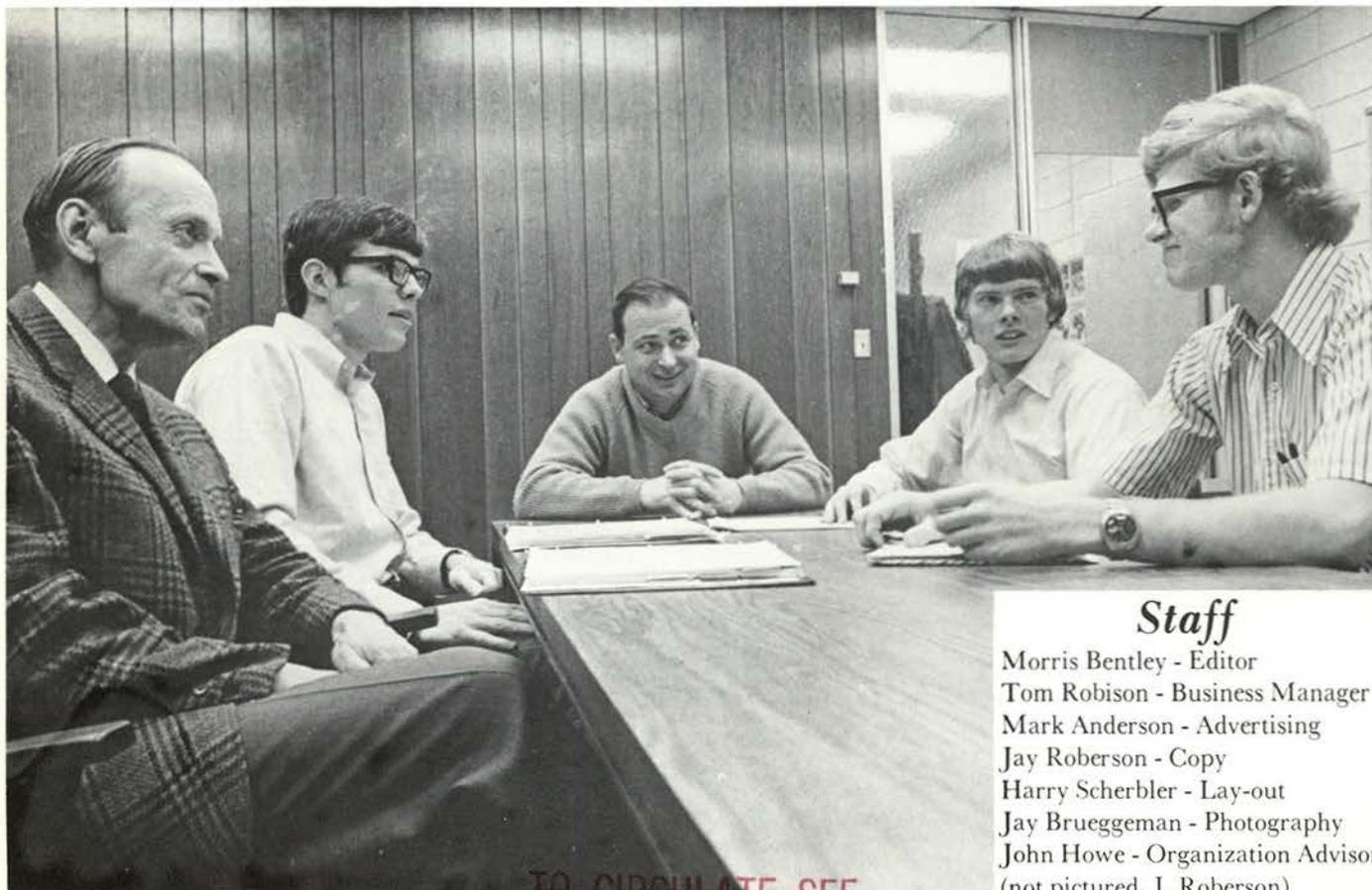
The staff of the IDAHO FORESTER would like to thank all those who made this magazine possible.

Special thanks goes to Dean Ehrenreich and his secretarial staff of Betty Kaufman, Mariam Smith, and Denise Dewitt.

Photographs by
Mike Lundstrom

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As editor, I would like to extend my personal thanks to Dr. John Howe and his secretary, Linda Pratt, for their individual advice and suggestions and the many hours they spent helping me and the magazine.



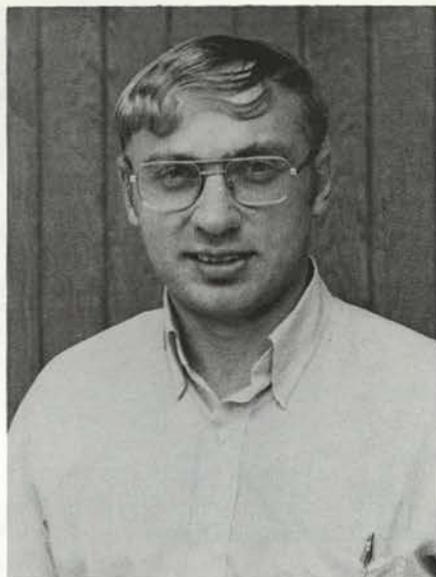
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TABLE OF CONTENTS

Club Report	2
New Forestry Building Designed For Service	5
New Facilities Improve Fisheries Program at U. of I	9
Four Articles on Timber Sales and Environmental Concern	
(I) Guidelines Needed For Federal Timber Harvest Senator Frank Church	11
(II) Declining Timber Sales John E. Martin, Ex. Director of North Idaho Forestry Association	13
(III) A Discussion of Forestry Issues in the 92nd Congress Senator Len B. Jordan	15
(IV) Current Trends in Timber Management on National Forest Lands Samuel S. Evans, Assistant Chief, U.S.F.S.	17
Particleboards for Structural Use; or is Lumber Obsolete? John W. Talbott (Graduate Student, WSU)	19
The Lochsa Elk Herd Richard Knight	23
Medusahead in Idaho M. Hironaka	27
Alumni Directory	30



Editorial

Morris M. Bentley

In the past few years, the American public has become increasingly aware of the importance of greater utilization of our natural resources. Although some methods of utilizing our natural resources have come under considerable criticism from the American public, we at the College of Forestry are aware of the existing problems. The College of Forestry, through its many options, is teaching students to solve these problems as well as to manage our different resources in their own specialized way.

The IDAHO FORESTER, as the official student publication of the entire College, has tried to reflect this trend. We should take into consideration the best uses of our resources and not just be interested in being a wildlifer, range manager, or wood technologist.

The 1972 IDAHO FORESTER represents the entire College. Through our efforts, we recognize all areas of the College and hope that we have brought together all of these areas into better utilization of our resources.

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THE GIFT OF GIVING

The good that you share with others will remain with you forever; But all that you strive to possess will slip from the grasp of your fingers, for this is the law of love.

Elmer Shaw

Club Report

The newly formed student chapter of the Society of Wood Science and Technology, SWST, has had a very successful first year. The chapter is dedicated to furthering the interest and knowledge in the forest products industry. It is hoped that through close association in SWST, we as students, can benefit the forest products industry and also further our education. We also encourage beginning students in Wood Utilization and those from other fields such as Engineering or Architecture who are interested in better use of wood to join in our efforts.

THE STUDENT CHAPTER OF THE Society of American Foresters has continued in trying to broaden the professional education of its members. We have had speakers from Potlatch Forests, Incorporated, the United States Forest Service, and the Peace Corps. In cooperation with the WILDLIFE SOCIETY, we sponsored a career program about job opportunities in all phases of Wild Land Management. We continued to work on the Cord Wood Project and promotion of good faculty-student relations.

The Wildlife Society has seen greater involvement in college activities with an increase in membership. The calendar of events has included guest speakers, seminars and the raffle which raised funds for the 1972 Western Students Conclave at Tucson, Arizona. The chapter is preparing a bid to have the 1973 Conclave at the University of Idaho. An excellent representation is expected to attend the Conclave this year. Action has been taken to strengthen the communications between industry and the Student chapter.

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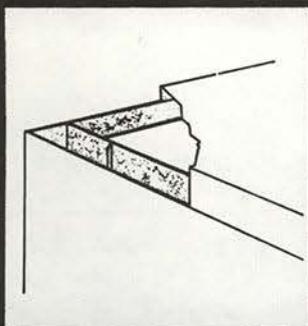
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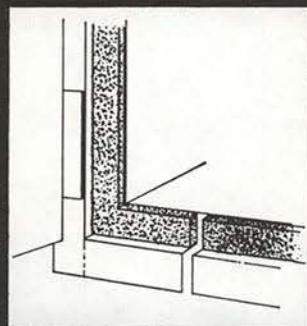
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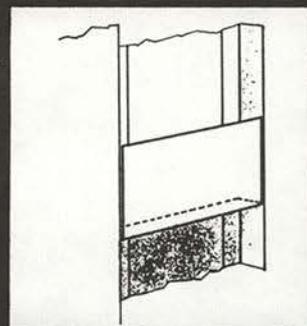
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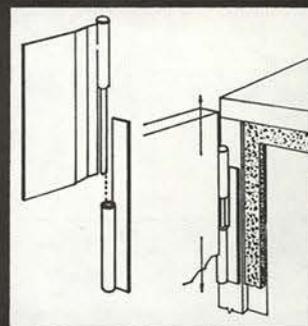
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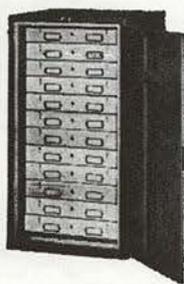
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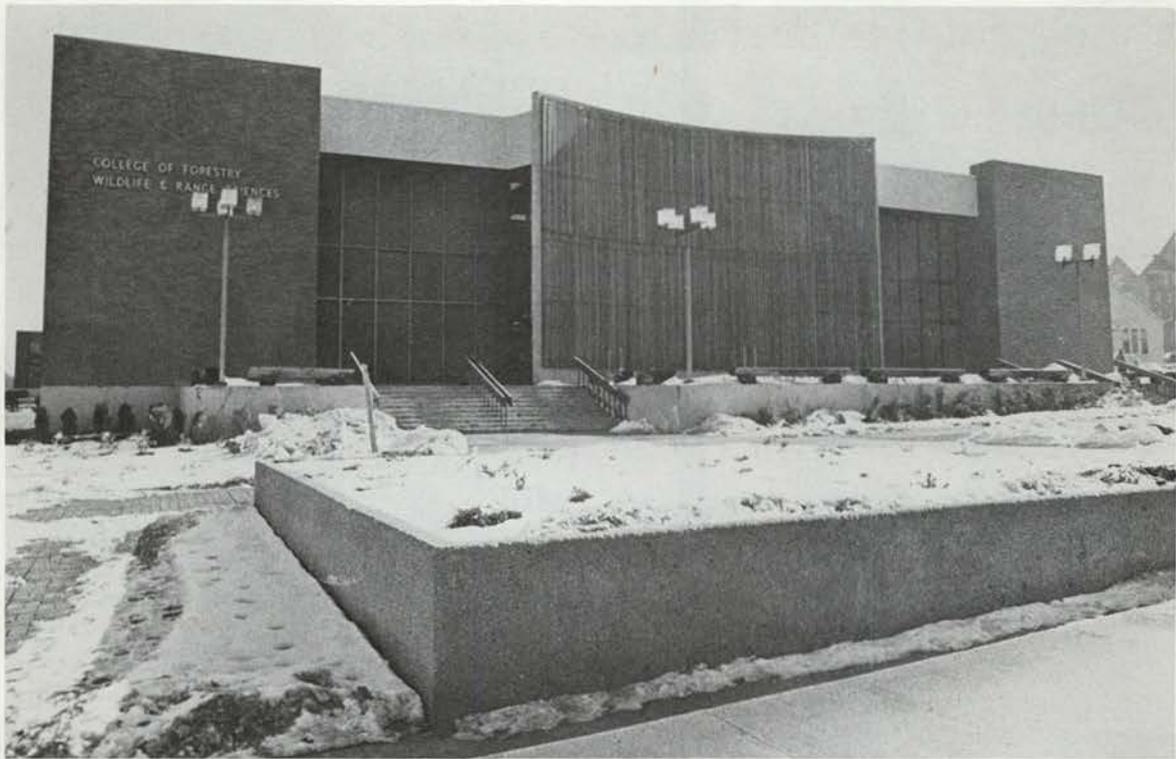
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(West face of new building)



New Forestry Building Designed For Service

By Diane S. Pettit
Reporter, News Bureau
University of Idaho

The College of Forestry, Wildlife and Range Sciences is soon completing its first school year in the University of Idaho's new \$3.5 million forestry building. Also relatively new to the University's College of Forestry is Dr. John H. Ehrenreich, who took over the deanship in the College last September. In addition to a new dean and a new building, this article will present new happenings in the College of Forestry during this transition.

Dean Ehrenreich believes that the impact of the new building, which was designed to utilize the most recent advances in education and technology, will be in greatly increased capabilities for research and instructional opportunities for students. In order to effectively administer these traditional but steadily expanding functions of training and research, Ehrenreich is exploring some new directions and developing some new systems in the College of Forestry.

He has said that the recent restructuring involves the strengthening of existing programs rather than an activation of several new programs. The new dean's formula for continued growth and excellence in the college's functions stresses responsiveness to differing and changing priorities in resource management, accountability of the college to the people of the state and communication within the college and throughout the state.

Dr. Ehrenreich served as head of the watershed management department for seven years at the University of Arizona before coming to the University of Idaho last fall. He earned his bachelor's degree in forest and range management at Colorado State University and his doctoral degree in plant ecology at Iowa State University. Prior to his years at the University of Arizona, Ehrenreich held a dual appointment as project leader in forest ecology research for the U. S. Forest Service and research associate professor at the University of Missouri.

He succeeds Ernest W. Wohletz, who stepped down after nineteen years as Dean of the College to return to teaching and to complete several projects before his retirement at the end of this year. Dr. Wohletz has been a dominant figure in the impressive quality and growth of the College of Forestry over the years. In some ways, the new forestry building represents the culmination of a 35-year career of service to the University.

In 1937 when Dr. Wohletz joined the forestry faculty, the college housed a faculty of six and undergraduate degree programs offered were forest management, wood utilization, and range management. Morrill Hall, built in 1906, was the residence of the College of Forestry as well as the College of Agriculture. During Wohletz's years as Dean, the building became inadequate in laboratory, classroom, and office space for the rapidly growing college.

The new three-story, 170-room forestry building, designed to accommodate enrollment increases projected for ten years, includes the college's administrative offices and offices for the divisions of forest business management; forest resource management, with specialties

such as watershed management and outdoor recreation; wood utilization and wood science; range management; the wildlife and fishery units; the wilderness research center; and the Forest, Wildlife and Range Experiment Station.

The College of Forestry faculty now numbers slightly more than thirty and Ehrenreich said there is a need for additional personnel in certain areas.

The office areas, located on the all-glass north end of the building, feature movable partitions which will allow office space to be altered according to changing needs. About 40 percent of the interior of the new building is appropriately designed with wood and the offices of each division are wood paneled from a different species of tree.

In order to allocate a maximum of space to the college's need for specialized research and instructional laboratories, the forestry building planning committee approved an unusual decision to exclude classrooms, as such, from the new forestry building, although the building does have seminar rooms and an auditorium. Instead, the college planning committee decided to provide space and basic facilities for two special "learning laboratories" — a self-learning center and a simulation classroom. Both areas are in the primary stages of development at this time, and will eventually be linked to a computer, according to Ehrenreich. These laboratories were designed to improve the quality and relevance of teaching through highly sophisticated teaching tools.

When the self-learning laboratory is fully equipped, students will have access to a library of computerized learning tapes prepared from information provided by the college faculty, off-campus scientists and other sources. The simulation classroom will make use of audio and visual effects produced through close-circuit television or films to resemble an environmental situation or follow the course of a research project in the classroom. When the simulation laboratory is computer-linked, an environmental problem or situation duplicated in the laboratory could be continuously changed according to the various solution alternatives proposed by students, Ehrenreich said.

Most of the 90,000 square feet of floor space in the new forestry building, however, consists of a complex of research and instructional laboratories, located on the south side of the building adjacent to a series of loading docks. The building includes specialized laboratories in all divisions, although many of the research and teaching laboratories are used by more than one division of the College.

"The total program of the forestry college is aimed at meeting the training, research and service requirements of managing Idaho's forest and range lands, which comprise 91 percent of the state," Ehrenreich explained. "The college's program is clearly identified and related to a national policy of multiple use of forest, range and aquatic environments, which involves priority decisions in order to fulfill the changing needs of people in a con-

tinually changing environment.”

Ehrenreich said that the operation of the College must be administratively structured so that teaching and research can be guided toward current issues and problems in resource management which relate directly to the welfare of the state. “This type of responsiveness and accountability to the state demands a system which is flexible enough to avoid a painful process of reorganization in research and curricula each time new resource allocation issues and problems arise,” he said.

He noted that the College of Forestry has been moving away for many years from a departmentally-based administration of research because such a structure often does not respond with the interdisciplinary research endeavors which are so important to multiple-use management. He added that the College’s curriculum also needs to be restructured along interdisciplinary lines to produce graduates with knowledge in such areas as social sciences, economics, and communication as well as technical abilities.

Ehrenreich proposes the formation of functional faculty groups within the College, as opposed to a faculty which is purely discipline oriented, for the purpose of developing curricula which would meet the interests and needs of students instead of fitting students into a certain discipline. “Faculty members from all divisions of the College could, for example, serve on an ‘environmental faculty’ which would design a curriculum of course work that would integrate resource management concepts from all the college’s disciplines as well as including relevant course from other colleges at the university.

“With this more adaptive organization of curricula, a student preparing for entry into professional careers in resources sciences and management would be trained not only in a specialized area but would have the background to respond more sensitively and effectively to people, and to numerous and differing demands in resource management today,” he said.

Broadly-based training programs and problem-oriented research, both with an interdisciplinary approach, require an emphasis on communication with the College and throughout the state, Ehrenreich pointed out. “Through publications, research, workshops, consultation and a continuing dialogue with resource industries, agencies and other groups in the state, the forestry college will seek an even more active role in providing services and information which may bridge conflicts of need and interest in the use of the state’s forest, range, and aquatic resources.”

Within the College, students are already expressing an increased concern for closer relationships between students and faculty as well as between undergraduate and graduate students. Also, both undergraduate and graduate students in the College of Forestry are seeking more participation in planning the college curriculum. Student representatives have been placed on all of the college’s standing committees, including the Curriculum Design Committee, and student and college personnel organizations are promoting exchanges of ideas and opinions between students and faculty as well as initiating a series of evening, faculty-barred conversations with Dr. Ehrenreich. (Partially reprinted from context)

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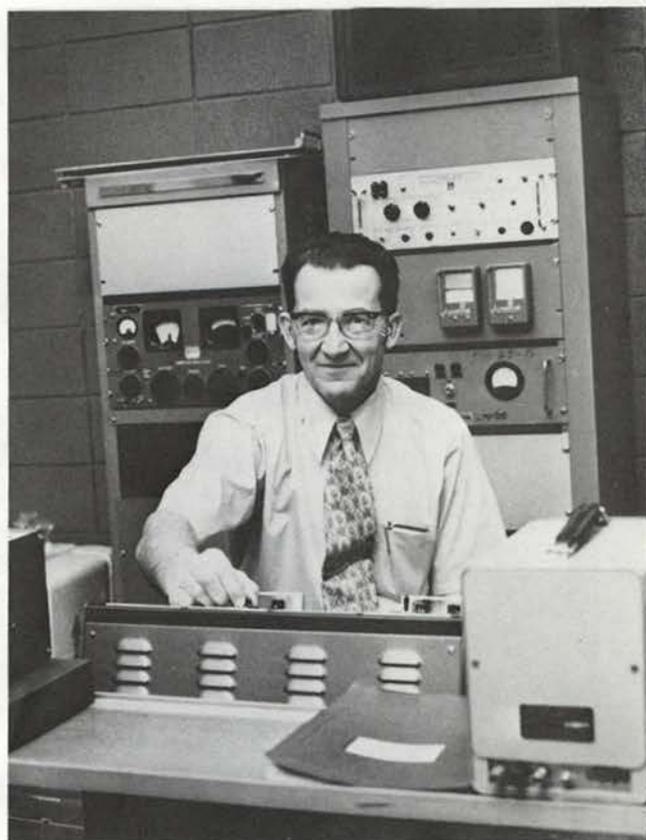
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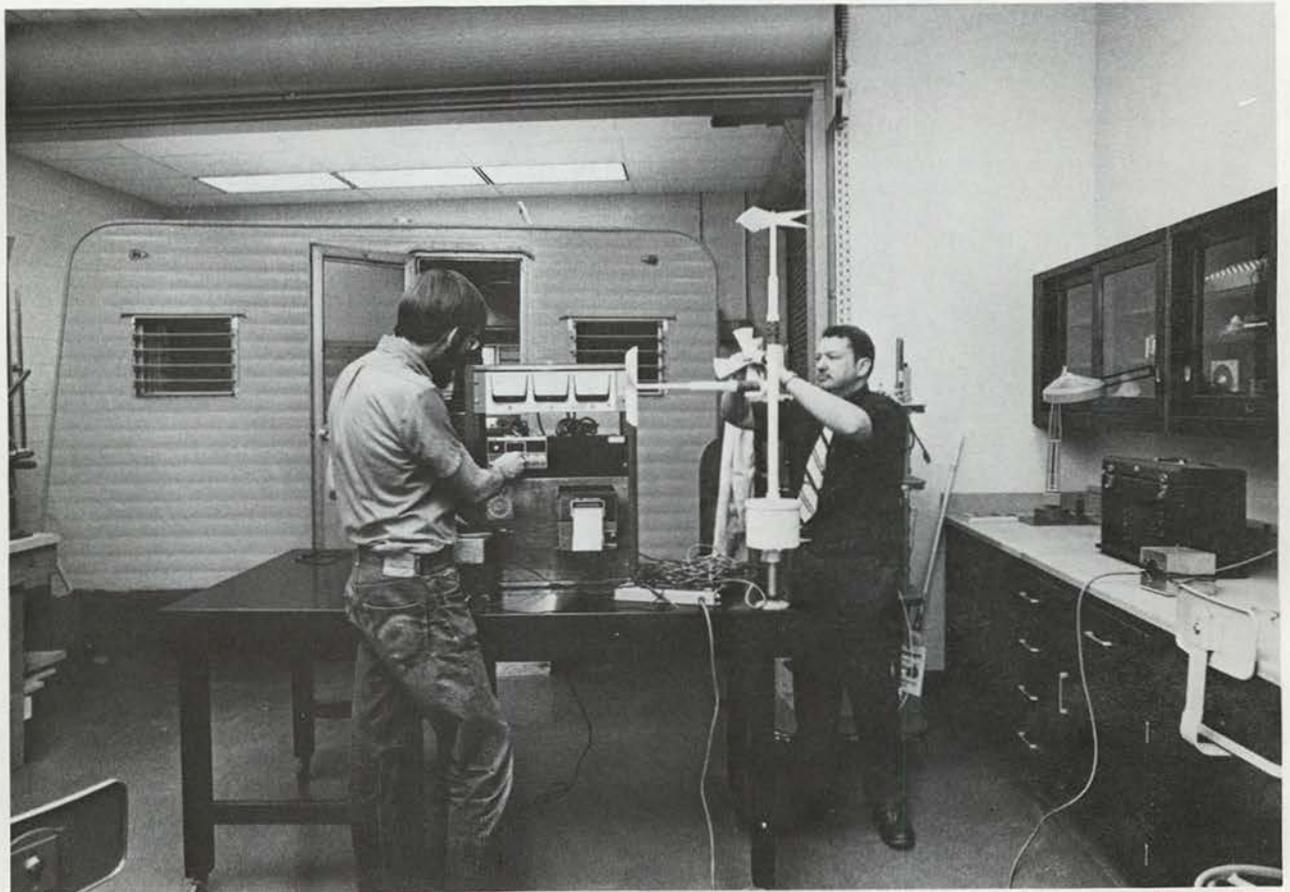
Kenneth Sowles
Professor, Wood Utilization



Kenneth Hungerford
Professor, Wildlife



Professor John Howe, Student Mike Boeck in New Wood Tech. Lab.



Professor G. Belt, Student Chuck Weingardner.

New Facilities Improve Fishery Program at U. of I.

By Don Chapman
Professor, Fisheries Department
University of Idaho



Circular tanks and rectangular troughs in the fishery research laboratory in the new Forestry Building. (Photo by Mike Lundstrom)

The major objective of the Idaho Cooperative Fishery Unit is "To facilitate cooperation between the Federal Government, the University, the State, and private organizations for cooperative unit programs of research and education relating to fish and wildlife". Research by unit personnel and graduate students plays a large part in satisfying the Unit's objective. This involves individual research projects, chosen with respect to the interests and capabilities of the personnel, other research projects of the Bureau of Sport Fisheries and Wildlife, facilities available, and in response to state, regional, and national needs.

In past years, a majority of Unit research took place in the field, largely because of a lack of laboratory space. However, the completion of the new forestry building has made a more well rounded program possible, including laboratory studies and bioassay work.

The fisheries research facility includes 25% of the floor space on the first floor of the new forestry building. A water chemistry lab (room 110) combines ample floor space with well organized lab tables and scientific instrumentation. Several projects can be conducted concurrently. At present, water samples from four different water quality projects are being analyzed. These include: 1) water chemistry as related to steelhead trout migration in the Snake and Clearwater Rivers, 2) a short term water quality study in the Lewiston area of the Snake and Clearwater Rivers, 3) a study of present water quality and primary production in areas of the Snake and Clearwater Rivers that will eventually be covered by the Lower Granite Pool, and 4) monitoring of water quality in the growing Dworshak Pool. Concurrently, samples of algae and benthic invertebrates from north Idaho farm ponds and from the Clearwater River are being analyzed in the "limnology lab". All of these projects are helping us to analyze changes and the effects of these changes in aquatic environments.

We have five rooms (111-115) in which we can control photoperiod, air temperature, and water temperature. Photoperiodicity, or the controlling effect of the

length of day, has a great effect on the physiological and behavioral status of organisms. We will be able to use this factor and study its effects on migration and other fish behavior.

We can control air temperature within the range of 30 F and 80 F in these labs. This, in conjunction with water temperature control in the range of 34 F to 135 F, will make it possible for us to approximate nearly all climatic conditions.

Our water source is the University well. Before the water enters our lab, it passes through a series of iron and carbon filters. We have also placed ultra-violet sterilization units on the water lines that supply our fish rearing units. This gives us a reliable source of controlled or uncontaminated water. These facilities will allow us to study a vast array of behavioral and physiological reactions of fish to environmental changes.

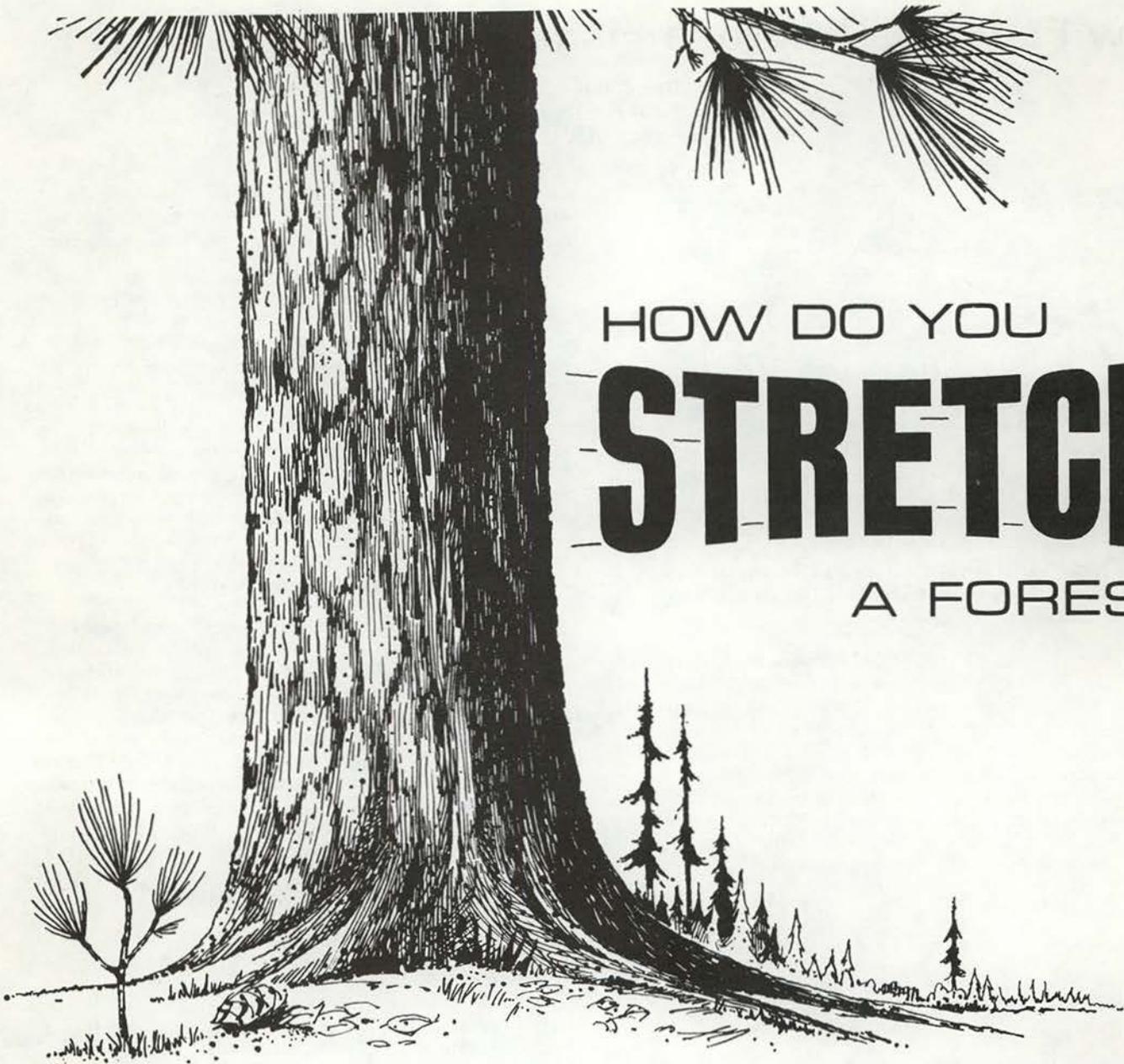
We are operating a small fish hatchery in room 114. In the past, graduates of the fish and wildlife curriculum have had little exposure to fish hatchery techniques and theories. Also, the general public has shown much interest in the rearing of fishes. We feel that our fish hatchery will be of great educational value not only to students but to the general public as well. In addition to this, people who are conducting fishery research at the University of Idaho are always in need of fish for their projects. We now have 10,000 chinook salmon and 10,000 rainbow trout, which we started as eggs, in our hatchery. These are already being used in three projects. We also plan to receive steelhead trout in the near future.

We have two types of rearing units in the hatchery - circular tanks and rectangular troughs. Water enters the circular tanks under pressure and at an angle to the water's surface. This helps in aeration and sets up a circular current which causes better mixing and turnover of the water column. Hatchery biologists have found better production and lower mortality with circular tanks and they say that the result is a stronger fish. We will test this theory in our lab with all three species mentioned earlier.

We will also test the effects of different water exchange rates on the growth of hatchery fish. A low water exchange rate can cause stagnation, low dissolved oxygen, and a buildup of ammonia and nitrites while a high exchange rate can cause slower growth of the fish because of greater activity of the fish to hold their position in the water column.

Aside from the hatchery project, our fish are being used in two other research projects. Dr. Wei of the Chemistry Department plans to study the uptake of inorganic mercury by young chinook salmon. His objective is to determine the form of compounds in which mercury is stored in the fish body. Dr. Craig MacPhee of the Forestry Department will use our rainbow trout

(Continued on Page 22)



HOW DO YOU

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An expanding population - - - continuing conversion of forest land into other uses - - - increased consumer demand for more and varied products - - - a growing awareness of the emotional as well as physical benefits of outdoor recreation - - - desire to escape overcrowded cities - - - pose a real challenge to owners and managers of timberland.

At the turn of the century there were about 11 acres of timberland growing trees to supply the forest product needs of each American. Today there are only about 3 acres per person. The prediction for the year 2000 is that there will be about 1-1/2 acres per person.

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Guidelines Needed For Federal Timber Harvest



by
Senator Frank Church
Chairman, U.S. Senate Subcommittee
on Public Lands

The U.S. Senate Subcommittee on Public Lands late in 1971 completed a series of public hearings on aspects of timber management, including that of clearcutting. The Subcommittee soon became aware of two major problems relating to the selection and conduct of timber harvesting operations on Federal forest lands.

First, certain areas have been selected for cutting which should not have been subjected to any activity relating to timber harvesting for any of a number of reasons. These were areas of special scenic values, fragile soils or other limiting physiographic conditions, areas where adequate regeneration could not be assured, and areas where the costs of special measures to avoid environmental damage or assure regeneration were so high that the activity was imprudent and relatively uneconomic.

The second problem area relates to the manner in which harvesting operations are carried out. This involves selection of a harvesting method, the manner in which a sale is conducted to minimize or avoid environmental injury, and careful supervision and enforcement of environmental conditions in road building and timber sale contracts.

I recognize that the timber needs of the Nation are increasing at a rapid pace. The National Forests and other Federal forest lands will play a vital role in meeting those needs. Substantial testimony convinced us that measures to assure adequate timber supplies are essential if we are to house our people and serve other

wood product needs at a reasonable cost. The measures we adopt must include intensified forest management practices such as thinning and salvage harvests on the National Forests, other Federal lands, industry lands, and on privately owned small forest ownerships.

I believe it is timely and important to set guidelines for the conduct of timber harvesting activity on Federal lands which will assure that the problem areas are eliminated while important national needs for timber are being met. In stating these guidelines, I do not presume to substitute my judgment for that of qualified professionals who have on-the-ground knowledge and familiarity with local needs and conditions. However, I believe overall policy direction is essential to make Federal forestry administrators aware of the concern and support of the Congress for stronger consideration of environmental impacts in timber management decisions. We are also aware that the Forest Service and the Bureau of Land Management have taken a number of steps to improve their timber management practices. The guidelines set forth should serve to strengthen and supplement these ongoing actions.

I believe timber management activities on Federal lands should be subject to the following policy guidelines:

1. Allowable Harvest Levels

a. Allowable harvests on Federal forest lands should be reviewed and adjusted to assure that the lands upon which they are based are available for timber production and suitable for timber production under these guidelines.

b. Increases in allowable harvests based on intensified management practices such as reforestation, thinning, tree improvement and the like should not be made unless such practices have been accomplished on-the-ground.

2. Harvesting Limitations

Timber harvesting should be limited on Federal land areas if:

a. Harvesting would interfere with public use of an area designated or identified as having special or critical environmental values.

b. Soil or other watershed conditions are fragile or subject to major irreparable injury from prudent timber harvesting activity.

c. There is no assurance that an area can be adequately restocked within no more than five years after harvest.

d. Aesthetic values are not given equal consideration and protection in timber harvesting planning and operations.

3. Clearcutting

a. Clearcutting should not be used as a cutting practice primarily on the basis that it is the most economic practice.

b. Clearcutting should be used only where it is determined to be silviculturally essential and other alternative cutting practices cannot accom-

plish the relevant forest management objectives.

c. Size of clearcuts or patch cuts should be the minimum necessary to accomplish silvicultural or other forest management objectives.

d. Clearcutting should be approved for application only after a multidisciplinary review of the potential environmental impacts on each sale area.

e. Clearcutting or patch cutting should in all cases be planned to be shaped and blended as much as possible with the natural terrain.

4. Timber Sale Contracts.

Federal timber sale contracts should contain conditions to assure that all possible measures are taken to minimize or avoid adverse environmental impacts of timber harvesting, even if such measures result in lower net returns to the Treasury.

If these guidelines were to be followed, I believe they would provide a solution to these two major problems regarding the harvesting of timber on our public lands.

The guidelines will help the Service respond to the awakening national awareness to the environment. Until recently, the Service in some areas has failed to perceive the shocking impact of clear-cutting devastation on the public senses. It has failed to understand that

clearcutting should be judged, not only as a timber harvesting device, but mainly as to its environmental impact and how it stacks up as a method of managing the National Forests for all of the multiple purposes for which the Forests were created and are administered.

Recent Forest Service reports on clearcutting, and even Service testimony before the Subcommittee viewed clearcutting, mainly within the context of timber management, rather than through the broader perspective of suitable environmental policy for all government programs as directed by the Congress in Section 101(b) of the National Environmental Policy Act.

Forest Service testimony was directed to a defense of clear-cutting as a technically desirable silvicultural and timber harvesting practice, with little attention given to its over-riding, adverse environmental effects.

Recent Forest Service changes in policy (and they have been numerous) have been slow in coming, may be insufficient or too generalized, and largely are a defensive response to environmental pressures and public outcries.

These suggested guidelines would help the Service regain lost credibility and assist it in communicating effectively with its critics. This is needed if the Service is to once more establish good public relations and restore its image as a great conservation agency.

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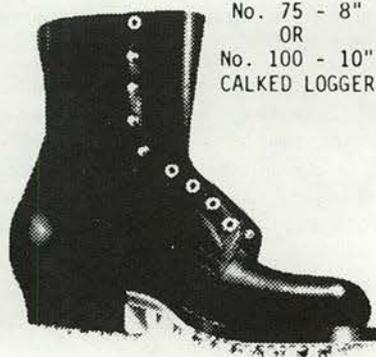


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Declining Timber Sales

by John E. Martin, Executive Director
North Idaho Forestry Association

Most Idaho sawmills are in a far stronger business position than they were at this time one year ago. Inventories are down and unfilled orders are up. The outlook is for continuation of the presently stable lumber market. Governor Cecil Andrus recognized the current upswing in the lumber market, in a business climate review which appeared in the Idaho Daily Statesman last November. Andrus commented, "Mining in the north is down a little now and lumbering is up because of the price."

The bubble will burst, however, when there is insufficient timber available to sustain those operations which depend on public land timber sales. Unless readily accessible timber can be made available for sale before next June 30, many operators will have no place to harvest because they will not have had the lead time to develop the timber sale access required before the sales can be operated. The principal obstacle to a more aggressive timber sale program appears to be the public land manager's reading of wide spread public resistance to timber cutting of any kind on any terms.

During the first half of Fiscal Year 1972 Regions 1 through 4 of the Forest Service have offered only 13 percent of their financed timber sale program. Federal timber dependent forest products manufacturers who harvest timber in these regions now have less than two years timber uncut under contract, and they are seeking to cooperate with new federal and state laws which will require substantial investments in air and water pollution control and occupational safety improvements if they plan to continue to operate in an ever more restrictive business climate. Most of the forest products industry in Idaho is included among the public agency timber dependent manufacturers.

If this trend of less and less timber sales continues, timber already under contract to the industry, but uncut, dwindles at an alarming rate in the face of stepped up harvesting prompted by the presently healthy lumber market and the optimistic outlook for its continuance during the immediate future.

It is hard to pinpoint the exact reasons for the apparent failure of the timber sale program thus far. In response to recent environmental concerns and legislation initiated as a result of that concern, the Forest Service sales program has been slowed. In order to conform with requirements of the Environmental Protection Act, the Forest Service has been forced to redesign sales ready for offering to meet new quality standards imposed by this new law. Court suits, brought by preservation groups, have further curtailed timber sale activity, and have served to reduce the allowable annual cut. These actions have added to the cost of sales preparation and logging costs. They have delayed important sales for many months, have resulted in a drastic reduction of timber sales offerings or, in some instances, have completely cancelled some planned sales upon which industrial production is based.

High quality forest management is a must and something that both the Forest Service and responsible forest products industry firms have sought within the bounds

of existing technology, over the past years long before concern for the environment became publicly popular.

The forest products industry has long been aware that it is the one industry that deals with a renewable resource and must manage the environment for continued protection of the total forest to assure a continued supply of forest resources. Perpetuation of the forest by use is a guiding principle of the industry both on its own and public lands. Through proper planning and management, we can make better use of our available lands, utilize and enhance the recreation potential, and, at the same time, obtain higher yields of trees and other renewable resources of the forests without environmental degradation.

The forest products industry, working with the Forest Service, the Bureau of Land Management and the Idaho Department of Public Lands, has been striving toward better harvesting methods, more complete utilization of the timber obtained from the national forests and improved and greater silvicultural efforts to meet genuine environmental concerns of the public. However, another sector of the public, less concerned with the total resource management, has been swayed by the siren song of those who seek even more wilderness areas.

The necessary environmental protection delays in putting up timber sales on the national forests diminish in impact when compared with the magnitude of the apparent public opposition to timber cutting which is the real reason for a diminishing number of timber sales. And just as devastating to the future of the forest products industry in Idaho is the preservation purist who declares he wants every acre now available for wilderness put into the National Wilderness System.

Although Idaho has nearly 6 million acres or about one-fourth of its national forest lands in existing or proposed wilderness areas, some groups are seeking even more wilderness through classifying all roadless areas as wilderness. In Idaho, this would mean some 4.8 million acres which support an estimated 16.9 billion board feet of commercial timber. The withdrawal of any substantial portion of these lands which are now a part of the annual allowable cut base would have a serious effect on the timber industry, wood product consumers, and perhaps more importantly on the resource itself. Without management all forest resources suffer.

It is time to call a spade a spade in this wilderness clamor. The economic stability of lumbering, one of Idaho's major industries, could needlessly be jeopardized by excessive demands for wilderness areas.

First let's recognize that foresters and loggers with their preference for outdoor work are also very mindful of the need for outdoor recreation and wilderness solitude. But let's take a look at how much wilderness we now have. I would like to quote here from a letter which Forest Service Chief Ed Cliff sent to the editor of the New York Times whose writer had written that, "Bulldozers and tractors are boring into some of the last remnants of pristine wilderness."

To this Chief Cliff replied:

"The Forest Service took the first steps to establish wilderness areas, and, today, 9.9 million acres of the 10.1 million National Wilderness Preservation System are in the National Forests, administered by the Forest Service."

"Adding primitive areas and other specially designated areas set aside in National Forests as restricted from commercial development, the total soars to more than 15 million acres. These 23,400 square miles cover a bigger area than the combined expanse of Vermont, New Hampshire, and Massachusetts. Hardly a last remnant."

And I would like to quote from the U. S. Senate proceedings on the Wilderness Bill in 1964 in which Senator Frank Church made the following comments regarding the amount of land in Idaho which was, he said, to be studied for inclusion in the National Wilderness System. Senator Church said:

"The Federal Government, which once owned all of Idaho, still owns nearly two-thirds of it. Under existing law, the Government has locked up over 3 million acres in new established primitive areas, comprising nearly a tenth of its total holdings. In these areas, lumbering is prohibited and mining is subjected to severe restrictions."

"The pending bill would establish a wilderness system in Idaho based on these existing primitive areas. But before these areas could become a permanent part of the system, each one would have to be reviewed for wilderness values within 10 years following the enactment of the bill. **Those portions found to be more suitable for multiple use for lumber, mining, and grazing, as well as recreation, would be released from their present restrictive classification and would revert to ordinary forest lands;** the remaining acres, where wilderness values clearly predominate, would then be recommended for retention in the wilderness system."

If man does not harvest mature and overmature forest areas, nature will harvest them with wildfire, insects, or disease — none of which can be said to be environmental protection devices and certainly would be considered to represent waste of a renewable resource.

And to the consumer of the products of our industry, wood is the environmentalist's dream. It is renewable, biodegradable and replenishes the earth's oxygen supply as it grows. Wood is the most versatile material on earth, and can be processed with the least amount of energy of any natural resource today.

More wilderness and unrealistic restrictions on use of the renewable resources of our forests are not going to attain a high quality of life for rural America that is being sought today. Nor will it contribute much to improving the quality of life in urban America in need of low cost, quality housing to replace its slums.

Now the time is at hand to disperse the smoke of emotionalism and let the public view timber harvest and forest management as the really beneficial endeavor it is.

The industry vigorously supports the Forest Service in its quality management concept for public forest lands. With this must come a wholehearted combined industry and community effort to acquaint the total public with

(Continued on page 28)

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A Discussion of Forestry Issues in the 92nd Congress

by
The Honorable Len B. Jordan
Senator



1971 was an important year in American forestry. Why? It was certainly not a landmark year for legislation. Congress passed no great forestry bills. No great events combined to shape the future. On the surface, it would appear that nothing much really happened.

As a Senator with a long-standing interest in forestry, I view 1971 as a year of controversy and debate. For me, it is hard to recall a time when so many forestry issues have been so intensely examined.

We are now 2 years into the decade of the environment. Conflict and confusion abound. Environmental prophets make charges and counter charges. Some, pursuing controversy as a puppy chases its tail, eyes glazed and minds set, appear to be unconcerned about relevant details. Others seem to have need of a cause. This is surely a sign of the times.

One of the environmental issues under debate during the past year was the practice of clearcutting on National Forests. Clearcutting has been the subject of three Congressional hearings, an investigation by a

Senate Select Committee, three in-house investigations by the Forest Service itself, a special study by the Council on Environmental Quality, bills to ban clear-cutting until an evaluation can be made, and widespread coverage by the press, radio, and TV. Still, the issue is far from settled and the discussion continues.

I am sure that this soul-searching and public inquiry will result in more pluses than minuses for the forestry profession, however difficult it may have been for harassed rangers and forest supervisors. It is good for any profession to stand back occasionally and take a reasonably objective look at management practices. And some of the objections raised clearly indicate that a re-appraisal was somewhat overdue.

On the other hand, I have observed that one of the chief problems of the Forest Service — and other Federal land administering agencies — is that research, operation, and maintenance funds are all too frequently the first budget items to be cut during retrenchment periods, regardless of the Administration currently in office. There is little doubt in my mind that the Federal Government, over the years, has tended to slash too deeply these essential management funds. Our Federal landlord has been miserly in its management and operation expenditures for our public lands, and the largely-Federal-owned states like Idaho are the first to know and to suffer from this tendency to defer and reduce essential management outlays.

Another factor in this national debate on clearcutting has been the propaganda tactics employed by those who would transform a scientific management problem into an emotional or a political issue. Timber is a crop like corn, but no one argues that we should let corn become diseased or allowed to rot away and die without harvesting it. Certainly one could make an environmental case for non-harvesting the corn crop by publishing only pictures of a cornfield after harvest, showing the dried and broken stalks in contrast to the proud green field of mid-summer. This suggestion seems extreme when applied to an annual plant crop like corn, but try to recall an instance where pictures have been published of clearcutting practices, when the photograph of the freshly-cut area has been accompanied by photographs of the clearcut area after 5, 10, or more years, or a comparison provided of the even-aged second growth forests which now thrive in the Pacific Northwest.

Certainly there have been mistakes and abuses associated with Forest management practices — some of them, I hasten to add, possibly attributable to the lack of supervisory staff and funds. However, having watched the development of thrifty second generation forests in Idaho and Oregon, I am convinced that it is possible to utilize clearcutting as a management practice where the terrain is relatively level and where the trees are even-aged and respond favorably to this practice. In some situations, of course, the terrain is too steep or too fragile

to permit clearcutting, and in some situations no logging should be permitted.

The answer appears to be to grant the land manager the authority to base his management practices upon the situation and the terrain, leaving him some discretion under management guidelines and regulations to utilize the appropriate technique or to restrict logging, altogether, if necessary. The answer does not appear to be an outright ban on clearcutting, or conversely, unrestricted management license.

What I am talking about here, I believe, is "balanced use" of our forest resources, a policy which I have long advocated personally and one which the American Forestry Association, one of our oldest and most highly respected conservation organizations, adopted as the theme of its recent annual convention.

Other forestry-related questions under close scrutiny this session include the problem of increased timber supplies to meet expected demands, log exports, wilderness proposals, the use of forest pesticides, predator control on public lands, housing goals, a reorganization plan to create a Department of Natural Resources, the dominant use concept of forest management advocated in the recommendations of the Public Land Law Review Commission, land use planning, mining reform, additional recreation areas, foreign trade, and economic stability.

Congress, of course, is vitally concerned with all these problems. Many of them relate to pending legislation that must be threshed out in the Second Session of the 92nd Congress. Others may take years to resolve.

The United States Congress, as an instrument of our representative form of government, must be responsive to the will of the people and to their vicissitudes. But in these times of abrupt change, this is seldom easy. The fickleness of public opinion was well illustrated by Art Greeley, former assistant chief of the U. S. Forest Service, in an article published in the December 1971 issue of **American Forests**, in which he said:

Even for a particular subject like resource management, public opinion is a fickle guide. See how the pendulum has swung regarding national forest timber cutting. Just three short years ago the Forest Service was being held up to ridicule before aroused Congressional Committees over charges that the level of cut is too low. People argued that the level of management of national forests is so much worse than industrial forests as to constitute a national disgrace. They also argued that recreation needs were receiving too much attention.

This year it is an altogether different story. The same Forest Service, with the same competent professional people, is held up as a national disgrace through charges the timber cut is too high. People now say before Congressional Committees that cutting is too destructive, and there is too cozy a relationship with the forest industry.

It has often been thus in the history of resource management, wild swings of public opinion vigorously expressed and as vigorously denounced a few years later."

In 1971 there was a reduction in the amount of timber cut on national forests, but it was more the result

of circumstances rather than a change in national policy. The reduction stemmed mostly from delays in timber sales preparation caused by a combination of administrative appeals, law suits, personnel reductions, roadless area studies, and interdisciplinary management plans required for environmental protection.

The total volume of timber cut on National Forest Lands in F.Y. 1970 was 11,526,725 MBF; in F.Y. 1971 it was only 10,341,204 MBF.

On July 1, 1971, the Bureau of Land Management put into effect a planned reduction in allowable cut on its forest lands in western Oregon. BLM found it necessary to make the 12 percent reduction to maintain sustained yields in the region, to serve environmental protection needs, and to compensate for heavy salvage cutting and timber loss following several catastrophic windstorms and forest fires during the past decade.

On the other hand there is continuing pressure to increase forest productivity and production through improved management techniques and more intensive cultural practices. Several bills have been introduced in the 92nd Congress to help achieve this goal. One such bill is S. 350, the American Forestry Act of 1971, introduced by Senator Mark P. Hatfield of Oregon, and co-sponsored by me and other colleagues. Senator Lee Metcalf of Montana introduced S. 1734, the Forest Lands Restoration and Protection Act of 1971, which places emphasis on regulation and control. Field hearings on the two bills have been held in Atlanta, Portland, and Syracuse, and Senate hearing records on those sessions have been published. Further hearings are planned in Washington, D. C. early in 1972.

A bill that would impose a two-year moratorium on clearcutting on National Forests, S. 1592, was introduced by Senator Gale W. McGee of Wyoming. The bill would also set up a 17-member Commission to study Federal timber management policies, especially clearcutting.

This is a very brief sampling of the complex issues and unsolved problems that confront Congress every day. Students in the forestry schools of the United States may regard the legislative process as something far off, nebulous, and purely political. Many students will be more imbued with the study of dendrology, taxonomy, and the down-to-earth practical sciences. But these same students, when they graduate and enter the forestry profession, will soon find that the practice of forestry involves people — and that is what politics is all about.

(Continued on page 22)

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Current Trends in Timber Management On National Forest Lands

By Samuel S. Evans, Assistant Chief
Division of Forest Management
Region One
United States Forest Service

The United States is faced with many alternative uses of the National Forests. There are people who believe that full development and use should be the goal. Opposed are those who feel resources must be preserved in their existing condition, no matter what the costs.

The Forest Service is trying to find the middle ground, feeling that the United States can afford wilderness and other special classifications of land; but that we must manage and protect renewable resources to support economic stability and growth.

Through the Multiple Use Planning process, land capability, availability and suitability for various uses are determined and displayed for public view. Management alternatives are described and discussed. Actual land allocations are made. From this process comes programs in recreation, timber, wildlife and other management activities.

What does this have to do with Timber Management? The key is identification of land in the Multiple Use Planning process where Timber Management can be practiced.

The topic of "Current Trends in Timber Management in the National Forests" is a most vital subject these days, because of often-said and repeated criticisms of the Forest Service, sometimes valid and sometimes not.

The sharpest criticism of Forest Service management is directed at timber harvest, and the practices, including road construction, used in harvesting timber.

How to improve the aspects of timber management that are objectionable to many people, increase timber yields and provide for future timber supplies by practicing intensive management, might appear to be the most challenging task the Forest Service faces. But the real challenge is to recognize and provide for adequate consideration of all the multiple products and benefits the National Forests can provide, including production of wood for industrial purposes.

It is impossible to discuss trends in Timber Management without first discussing things that make the trends.

First: Updating of Multiple Use Plans is priority number 1 in the Northern Region.

Updating, and a more intensive look at multiple use planning is taking place in the Northern Region. Multiple use planning is a dynamic, continuing process of land allocation. Reviews of these plans are responsive to guiding legislation such as the Multiple Use Act of 1960, Environmental Policy Act of 1969, the Water Quality Improvement Act of 1970, the Wild and Scenic Rivers Act, and others. Recognition is given to the complexities of land use planning, and establishes standards to **obtain** and **maintain** coordination and balance in resource use and environmental protection.

To contribute to the Multiple Use Planning effort, we are engaged in:

- Forest land stratification study.
- Developing a new inventory system to get "in place" information on timber stands and other resources.
- Color photography to study tree mortality.
- Mapping ecological land classes.
- Development of an ecological land classification system.
- And others.

Additional manpower and funds are necessary to do this quality job of planning if current programs are to stay at their present level. A quality job of planning involving the public is necessary to describe the total management opportunities on the National Forests.

Second: The Forest Service is seeking a balanced program in all resources and services.

National concern and interest about wildland management and environmental protection is expressed in the Environmental Policy Act, the Water Quality Improvement Act, the Clear Air Act, the Wilderness Act, and others. Forest Service concern and interest in the environment and people is demonstrated in such policy statements as "Framework for the Future," and "National Forest Management in a Quality Environment." Implementation of these Acts and policy statements means that greater emphasis will be given to balance in Forest Service Programs with adequate recognition of all Forest resources.

But what does this mean?

This means:

- Inventories of all resources must be available.
- Additional multi-discipline research is needed.
- Programs and alternatives must stand scrutiny of the public on a **national** as well as a **local** basis.
- Additional funds and people are necessary if programs are to be maintained.

Timber Growing Land Base

The land base for growing wood for industrial purposes is not stable. **Instability** in itself may not be bad, if the base fluctuated up and down. However, the base only shrinks.

In some areas timber production is seriously or completely restricted because of the need for other resource uses and values. There are numerous examples of this type of withdrawal from the timber supply base. Large backdrop areas around recreation sites; areas needed for wildlife habitat (primarily cover, screen, and escape); areas established where the primary use is recreation, such as National Recreation Areas; areas where, be-

cause of critical political issues, the decision is made to place them in a deferred category for at least a temporary period.

Other areas are unsuitable for timber harvest with today's technology. An example of this type is areas where the soils are too unstable for road construction or logging. In parts of the National Forests, timbered slopes are often in a critical state of balance. Roadbuilding and, in some cases disturbance of the vegetative cover by tree removal, will accelerate soil movement, water runoff, or avalanche hazard to the point that site quality is impaired and/or serious damage is done to stream channels and water quality.

The soil instability problems are particularly applicable to parts of the Idaho Batholith, which occupies a sizeable portion of Idaho. To be able to harvest timber on unstable areas will pose new and important challenges to the Forest Service and to the timber industry. Logging systems are needed that will move logs greater distances without having to construct roads across unstable slopes. Until such systems are available and economically practicable, timber harvesting in these areas must be deferred.

Some areas are incapable of producing a continuous crop of timber on a productive basis. These areas are, typically, ones having pockets of shallow soil, rock outcroppings, or situations which result in the timber stands being very thin and growth on the individual trees being far below that expected in "normal" stands.

You will recognize that we are talking here about land availability, suitability and capability.

We continue to suffer heavy mortality and growth loss due to insects and diseases on the commercial forest lands of the area. Although a major objective of National Forest timber management is to salvage insect and disease losses, only a small percentage of the loss is actually salvaged. Part of the loss is in undeveloped areas where access is not available for prompt harvest. Even in areas where access is developed, in many cases insect and disease attacks are so scattered that salvage is uneconomical.

Another major problem is that specific national and local goals for forest resources other than timber are lacking. The lack of specific goals for some of the other resources can result in management direction that optimizes these other resources. Timber use is constrained to provide for maximum output or maximum use of the other resources. Often there is no real attempt at reciprocal coordination of all resources and uses. For example, management plans state that timber programs must be designed to protect game range and migration routes, but nowhere can we find out what the optimum number of game animals ought to be. The easy solution is to maximize game production, livestock use, recreation esthetics, and all other uses, and harvest timber only where it has no significant effect on these uses. Solution of these problems will come with multiple use plans.

Handling logging slash is another factor that can not be ignored and that may be as significant as any of the preceding in establishing allowable cuts. We are moving timber harvest into areas of steeper and tougher terrain. Many of the easier chances have now been logged. In the past we have relied primarily on the dozer for piling slash on relatively gentle ground. This isn't

possible on steeper slopes where we have relied primarily on broadcast burning. Also, as we reduce the amount of clearcutting and increase the area partially cut, the problem of protecting the residual stand during slash disposal operations becomes acute. Increased partial cutting and reduction in clearcutting means that additional acres will require slash disposal treatment for the same volume of timber produced. The size of clearcut units is expected to reduce. This increases the workload for the volume of timber produced. Right now we are about at the point where manpower and weather limitations prevent us from treating additional area. The growing backlog of slash that was planned for treatment, but not treated, indicates that we are not holding our own on reducing the slash hazard. To compound the problem restrictions have been imposed on burning to help maintain air quality.

With this in mind, slash disposal in itself could become the most significant factor in establishment of allowable cuts until increased utilization and improved technology for hazard reduction is an accomplished fact.

All of the foregoing indicates there is a severe question about the timber harvesting land base. This gap is most pronounced in the allowable cut figures that have been established on many National Forests. The reliability and soundness of the allowable cut established for any unit of the National Forest System is very important to the economy of communities and to the Nation as a whole in its determination of the available timber to supply the Nation's housing and other needs. Yet, in recent years, its reliability has been less and less. Although we have full confidence in the technical aspects of the timber inventories on which these plans are based, it is obvious that we do not have adequate information on the changing land base.

Before you begin to think I am merely a forecaster of doom, I need to point out some factors associated with allowable cut calculations that compensate in some measure for a diminishing land base.

One is increased utilization. New timber management plans reflect lower merchantability limits which provide more utilizeable volume. Another compensating factor is in measurement of site productivity. Our timber producing land — under management — will provide better annual growth than we have given it credit for in the past, using wild stand growth and mortality as the predictive base.

We have been looking at, or at least partially looking at the situation in Region One. Now let's look at some "trends in timber management."

1. For a higher quality of sale administration. This is to prevent costly mistakes of the past. This is a partnership affair. Timber purchasers and the Forest Service must join hands in this effort.
2. For a higher quality of sale preparation. This is to give consideration to all other resources and uses and environmental protection.
3. For public involvement in preparation and choice of all activities and programs, including all timber programs.
4. For increased cultural programs. This is one of the major ways to help offset a decreasing land base for industrial wood production.

(Continued on Page 22)

Particleboards for Structural Use; or Is Lumber Obsolete?

by John W. Talbott

Wood technologist, Washington State University

The growth of the U. S. particleboard industry over the past twenty years from nothing to the present multi-billion-square-foot production was based on a sound economic philosophy. There was a large supply of wood residues from the conventional conversion of logs to lumber and plywood; and there was a new German technology which could convert this residue to large, uniform, smooth panels at relatively low cost — particularly if the residues were charged to the operation at only their fuel value.

The properties of the product were determined to be by the nature of the residues, which consisted of planer shavings and dry solid wood residues which could be chipped and hammermilled to form a rather granular furnish of any desired degree of fineness. Combination of this wood material with five to ten percent of a urea-formaldehyde resin bonding agent afforded panel products with rather low strength properties in relation to wood or plywood, with rather poor dimensional stability, with a disappointing tendency to creep under loads of long duration, and finally a propensity to revert to a pile of planer shavings on long exposure to moist conditions or weathering.

The marketing problem was thus to develop large-scale uses which did not require much strength and which did not expose the material to moisture. The two largest uses, constituting over half the present market, are furniture corestock and underlayment for residential floors. Estimated 1971 production of particleboard for all uses was about 2 billion square feet.

The time may be ripe for some changes in the economic philosophy behind the particleboard industry if it is to continue its present 20 percent annual growth rate. The reasons for this have to do with the changing character of the raw material base available for continued expansion, the vastly different requirements of the new markets which must be penetrated, and the decreasing relative cost of improved resin systems. For these new markets, particleboard products must be designed specifically for end-use requirements of much more demanding nature, rather than trying to find markets for the easiest and cheapest board to make from available wood residues. This will require greater diversification in production facilities and in marketing effort, but will allow producers to add more value per ton and hopefully to derive more profit per ton of wood consumed. Much of the required new technology has already been developed at the laboratory level.

What Phenolic Resins Can Do for Particleboard

The great resistance of phenol-formaldehyde resin adhesives to hydrolytic attack has caused them to be used in the bonding of exterior-grade plywood to the near exclusion of all other resins. Their former high cost in relation to urea-formaldehyde resins and their slower curing and lower tack greatly limited their use in particleboards. High molecular weight phenolic resins are primarily bonding resins: they stay on the surface of the particles and thus afford a durable, rigid, strong waterproof bond between particles. The amount of resin

required depends on particle size and geometry and on the required strength — usually in the range of three to ten per cent. Recent improvements in cure rate and control of resin tack have made phenolics somewhat more attractive to the industry, and some production of "exterior" grades of particleboard is now on the market.

Aqueous solutions of low-molecular-weight phenolic resins, on the other hand, have the ability to penetrate and swell the actual cell walls of wood fibers. When cured by heat within the cell walls, such resins profoundly affect the physical properties of the material.

Because the impregnated wood is cured in the swelled condition, a high degree of dimensional stabilization and substantial reduction in hygroscopicity is imparted to the board. The stabilization greatly reduces the stresses in adhesive bonds between particles under changing moisture conditions and this in turn results in high retention of strength in moist conditions, excellent paint-holding ability, or ability to withstand direct weather exposure. Flame spread rates are also substantially reduced.

Fortunately, pentachlorophenol, which is water insoluble, is readily soluble in aqueous solutions of phenolic impregnating resins. Thus a board treated for decay and termite resistance in outdoor or underground exposures can be produced at only the extra cost of the penta itself — about 1 cent per square foot in a 1/2-inch board, compared to about 5 cents for pressure treating particleboard or plywood after manufacture.

A major factor in the changing economic feasibility of structural particleboard is the decreasing cost of phenolic resins in relation to the cost of wood and to the cost of urea resins. The price of phenol has dropped in the past 15 years from about 18 cents to about 5 cents per pound currently; some phenolic resins now sell for around 10 to 15 cents per pound, solids basis. This is in the same range as urea resins and only about twice the cost of solid wood in the form of lumber. Thus, in a 1/2-inch board of usual density, the cost of phenolic resin would be only \$2 to \$3 per thousand square feet for each per cent of added resin.

Physical Properties

Using available techniques, structural boards can be produced having any desired combination of a wide range of physical properties. The particleboard process is easily amenable to production of multi-layer boards having widely different properties in faces and cores. The variables under control, either in the board as a whole or in different layers in the board, include density, resin amount and type, species of wood, particle geometry, grain orientation, and surface texture. Thus boards can be designed to meet rigid strength criteria and yet have surfaces designed for appearance, weatherability, color, texture, wear, or combinations of these. This versatile capability can allow the use of a single particleboard product to replace two or three single-function conventional products in a building. For instance, a high-strength flakeboard with a dense, high-

resin surface, when used in a stressed skin floor system, can replace a substantial part of the spanning joist system, the subfloor, the underlayment, and the finish floor of a conventional floor system. This same kind of multi-functional capability is also applicable to roof systems, exterior walls, partition systems, foundations, basement walls and basement floors.

Properties of some examples of structural flakeboards and fiberboards made in our laboratories at WSU are shown in Table I. The strength properties shown are average ultimate values; appropriate allowable working stresses would be about 1/3 of these. For comparison, 1/2" standard sheathing plywood is also listed with its values of allowable working stresses modified to apply to the full section of the plywood — rather than just the area of plys parallel to the stress as published in the plywood design manuals. This allows a more direct comparison with the particleboard values. As can be seen from the values for the pine flakeboard, and the fiberboard, the stiffness and bending strength can be increased in one direction by orientation of the flakes or fibers in one direction. The increase can be as much as 100 per cent in stiffness and 50 to 60 per cent in strength.

the final product, but again, it is necessary to consider the total gain in the structure in comparison to other products which might be used to serve the same function.

The Changing Character of the Raw Material Base

Most of the economically accessible planer shavings and solid mill residues are already committed to particleboard plants now in production or under construction. Further major expansion must necessarily turn to other sources of raw material. The largest sources of wood which do not compete with the lumber industry for saw-log grade material are woods waste and round-wood of non-commercial species. Many species such as aspen, cottonwoods, alders and willows, which are non-commercial for sawn lumber, are ideal material for structural flakeboards and fiberboards. Not much of these are yet used in particleboard because boards made from round-wood must bear the cost of harvesting and transporting the material to the plant, while such costs have already been absorbed by the primary lumber and plywood products in the case of planer shavings and lumber and plywood residues — which are often charged to the particleboard operation at fuel values.

Table I
Properties of Some Laboratory Structural Particleboards

		1/2" Std Sheathing Plywood	D. Fir Flapreg	Pine Flakeboard		Larch Flakeboard	Aspen Flakeboard	Oriented Fiberboard	
				Oriented	Random				
Resin solids %, board basis			23	5	5	17	9	9	
Density, lbs./cubic ft.		35	84	37	37	72	44	35	
Stiffness E Psi x 10 ⁻⁶	Bending	Longitudinal	1.44	2.3	1.1	0.55	2.0	0.7	.65
		Cross Direction	0.42	2.3	0.28	0.55	2.0	0.7	.25
Psi x 10 ⁻⁶	Tension & Compression	Longitudinal	1.08	2.3	1.1	0.55	2.0	0.7	.65
		Cross Direction	0.60	2.3	0.28	0.55	2.0	0.7	.25
Bending Strength psi	Longitudinal	1100 *	13,000	6400	4300	14,000	5200	7800	
	Cross Direction	600 *	13,000	2100	4300	14,000	5200	3000	
Internal Bond Strength psi			1,100	90	90	1,000	150	150	
Tensile Strength psi	Longitudinal	990 *				10,000			
	Cross Direction	660 *				10,000			
Compression Strength psi	Longitudinal	920 *				18,000			
	Cross Direction	610 *				18,000			
Shear Strength psi	to Board	230 *				10,000	3000		
	to Board	50 *				3,000	500		

* Allowable working stresses corrected to apply to the full board section.

Such oriented boards can well replace structural sawn lumber.

With a given particle type, the properties can be varied through a wide range by control of density and resin content to meet the requirements of a particular end use. The high properties for the larch flakeboard shown were achieved at a density of 72 lb. per cubic foot and a resin cost of about \$50 per thousand square feet for 1/2-inch board. This appears as a very high cost for

Thus if a particleboard plant must use the higher priced round-wood or wood-waste raw materials, it makes sense to convert these to wood flakes or high-grade wood fiber, both of which can produce high-strength structural boards which can better absorb the higher cost of the raw material. Wood flakes from round-wood cost about one cent per pound more than planer shavings due to the added harvesting, transportation, and drying costs. Plants based on such materials have a hard time competing on a cost-per-square-foot basis with

plants based on planer shavings; however, if they market a high-strength multi-function structural product, they can enter a market where the planer-shavings board cannot follow. In this new market they will be competing primarily with softwood plywood which sells for roughly twice the price of underlayment and furniture-core grades of particleboard. And it is in this market where high strength, dimensional stability, ease of preservative treatment, weatherability, and multi-functional capability will pay off in competitive advantage.

With increasing banning of teepee burners, bark is now a major and costly disposal and pollution problem. Based on preliminary laboratory work at W.S.U., the possibilities look very promising for use of major amounts of bark in structural sandwich components having insulating bark cores between faces of high-resin flakeboard or fiberboard. Such sandwiches can be formed in a single pressing operation.

Not only can these high-quality structural products be made from materials now mostly wasted, but they can very substantially reduce the total amount of wood needed for a wooden structure because of their ability to serve multiple functions — such as roof sheathing and roofing, wall sheathing and siding, joist-subfloor-underlayment-finish floor. In basement walls and foundations, high-resin preservative-treated flakeboards can, at 4 cents per pound, replace 30 to 50 times their weight of reinforced concrete at about 2 cents per pound in place.

If the future of particleboard development does follow the pattern suggested above, it will have profound effects on the practice of forest management. If the wood-construction industry were no longer to depend on sawlogs or peeler logs then the management of forests for construction materials would be essentially the same as

(Continued on page 28)

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(Continued from page 9)

New Facilities Improve Fishery Program at U. of I.

to study cage cultures of salmonids in various Idaho streams and lakes.

At the present time, three fishery graduate students are studying the effects of high, low, constant, and fluctuating water temperatures on steelhead trout physiology and behavior. For this purpose, they have constructed artificial stream channels and large aquaria. In order to eliminate behavioral upsets caused by humans, they plan to use closed circuit television to record behavioral responses to various temperature regimes. In conjunction with low temperature regimes, a researcher will make extensive observations of hibernation activity. The data obtained from this series of experiments will help us understand the effects on steelhead trout of thermal pollution and water temperature alterations caused by impoundment.

Dr. Al Lingg and Robert Busch, both from the Bacteriology Department, have designed a laboratory experiment to study Hagerman Redmouth Disease of

rainbow trout. According to both state and commercial fish culturists, this is the most serious fish disease, on an economic loss basis, in Idaho. Dr. Lingg and Mr. Busch are rearing 100 pounds of rainbow trout in our hatchery now and their goal is to develop an oral vaccine to control redmouth disease. The value of such a vaccine could be one million dollars per year in Idaho alone. We feel that the subject of fish disease offers a field for unlimited research.

Our new facilities have broadened our capabilities for a well-rounded research program. Our future will see an increase in bioassay work, studies of fish behavior, fish physiology, fish disease, and possibly development of new or improved fish rearing techniques. We will use our facilities to educate the public concerning fish behavior and to build a greater understanding of the value of fish culture in resource management.

Our laboratory facilities are open to the general public seven days and evenings a week. However, weekend and evening tours must be scheduled with our secretary, room 104, Forestry Building.

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& GRADS**

WALES LUMBER CO.

Spokane, Wash.

Good Luck Foresters

**Spokane Hoo Hoo
Club**

**(FRATERNAL ORDER OF
LUMBERMEN)**

(Continued from page 18)

5. For a decrease in timber sales programs at least until land allocation is determined in the Multiple Use Planning process, and/or until cultural programs are increased.
6. For increased attention to esthetics — making timber programs fit the landscape and be as small a visual impact as possible.
7. For an increased information base for timber and associated activities.

(Continued from p. 16)

To the foresters entering the profession during the 1970's, I predict this will be a decade of excitement and challenge. You are entering a profession that pioneered in the American conservation movement and contributed greatly to the successful efforts at the beginning of this century to protect, preserve, and utilize our timberlands and our watersheds and to make our publicly-owned, multi-use forests, and forest wilderness and recreation areas the envy of the world today.

Best Wishes Foresters!

**Idaho Forest Industries, Inc.
Coeur d'Alene, Idaho**

The Lochsa Elk Herd

Richard R. Knight Professor, Wildlife
University of Idaho



A bull elk dozes in the winter sun beside the Lochsa River.

Anyone driving down the Lochsa River in northern Idaho may get the impression that much of the area is covered with worthless brush. That brush is valuable. It is the winter food for Idaho's most important wild animal — the elk. Elk in the Lochsa have furnished an average hunter harvest of over 600 each year since 1960 in addition to enhancing its scenic river status with their year-around presence where travelers can enjoy them.

The brushfields were created in the early part of this century when wildfires burned great portions of the Lochsa and other tributaries of the Clearwater drainage. The extensive brushfields that grew up following the fires formed ideal habitat conditions for elk and their numbers began to increase, reaching a peak in the mid-1950's. The herd has since fallen on hard times. Most of the shrubs have grown out of reach. Conifer regeneration is replacing some of the brushfields and the elk are declining in numbers.

The only way to halt the decline and let the herd build to part of its former numbers is to set plant succession back to the early shrub stages. Fire, the original shrub producer, is the cheapest and most natural means of doing this. The Idaho Fish and Game Department is studying fire as a range rehabilitation tool and is actively supporting a prescribed burning program designed to improve the range for game by systematically burning portions of the range each spring and reburning on a 15-year rotation.

Complete rehabilitation will not be easy. Conditions must be just right for a spring burn and there are many years when only 1 or 2 good burning days occur and then a large task force must be mobilized on a few hours' notice. There is also some public resistance. Many people — even professional conservationists — cannot understand that fire is a natural process that can be beneficial to wild animals. The disapproving shadow of Smokey Bear looms threateningly over the project.

Objectives of Wildlife Research Unit Elk Study

In cooperation with the Fish and Game Department, the University of Idaho is also studying the Lochsa elk through its Wildlife Research Unit. Although the range problems have long been recognized and studied, very little information is available about the elk themselves. We hope to discover the major population characteristics of the herd. First, we wish to know just what we are talking about when we refer to the Lochsa elk herd. We know that most of the elk spend the winter in lower elevations along the river and its tributaries, but nothing about their whereabouts the rest of the year or their migration routes. We also need information on calf production, sex and age structure and mortality rates in order to suggest a comprehensive management plan for the herd.

Trend Counts

It would be nice to know the total number of elk in the population but this is almost impossible to determine with any degree of accuracy. Even in winter, when most easily observed, they are scattered at varying elevations along more than 100 linear miles on the river and its tributaries. There are no open grasslands as in other areas where elk are counted with some success. In the Lochsa, everything is in trees or brush which makes elk observations difficult. Quite a few elk can be observed from a helicopter during the winter but with the high percentage of cover you never know how many have been missed. Occasional counts are made in years when time and money are available and when winter conditions are severe enough to concentrate the elk. These counts are used as minimum population figures, not total size of the population, and are compared with other such counts in previous years to determine the trend in population size. The last count of this type in the Lochsa was made in 1968 when 2,945 elk were counted. The previous count in 1964 enumerated 3,736 elk. Although there are several variables to be taken into consideration when comparing the two counts such as winter severity, degree of coverage, and observer experience, they do indicate a definite downward trend in the population.

Trapping and Marking

University research on the Lochsa revolves around a trapping and marking program designed to gather as much of the needed information as possible. We now have nine elk traps scattered along the river bottom and on the summer range and expect to build one more early in the summer of 1972. Although the traps are operated year-round except during hunting season, most of the elk are caught in late spring and early summer.

Once an elk is caught, we try to obtain as much information from it as possible. First priorities are a neckband or radio collar and age determination. If possible, blood samples are taken for disease studies and measurement of serum proteins. We have cooperated with the University of Wisconsin and Veterinary Science Department at the University of Idaho on the disease studies. From January through June, all cows are tested for pregnancy. Milk samples are collected from cows from



An immobilized bull is fitted with a neckband.

May through September for quality analysis and determination of lactation rates. Hair samples will be taken in 1972 for analysis of mercury levels. Scales will be installed at three traps in 1972 so that elk can be weighed and assessed for general body condition.

Cows, calves and spike bulls are relatively easy to handle — just driven into a chute and processed standing up. Adult bulls whose antlers will not allow them to go down the chute must be immobilized with a Cap-chur gun and processed in the main part of the trap. Occasionally, we immobilize a free ranging elk with the Cap-chur gun when we need information in areas where there are no traps. The need to tag more free-ranging animals will probably become more frequent as the study progresses and we find more herd segments where we do not have information.

When an elk has been marked and released we already have a lot of information about it, but we need more. The next task is to observe each elk as many times as possible to determine its seasonal ranges and movements. Most of our field time not spent trapping elk is spent looking for them. Observation routes are traveled by vehicle, on foot, and occasionally by helicopter in efforts to locate elk. The heavy cover in the Lochsa makes



A few minutes later he is up and ready to go.

it difficult to see elk and chances of observing and identifying a neckbanded elk are low. So far we have marked 276 elk with neckbands but re-observed only 76 of them. Consequently, we get most of our data on movements and migration from elk wearing radio collars.

Following the 'Beeps'

An elk wearing a radio transmitter can usually be located regardless of cover. Trees and rough terrain do reduce the strength of the radio signal from point to point on the ground, but do not have much effect on ground to air signals. Flights are made at least once a week in a light airplane equipped with a directional antenna. When the elk are moving from one seasonal range to another, two or three flights a week are required. It takes from two to five hours of flight time to locate the 15 to 20 elk that are wearing radio collars at any one time. Although there were some failures in the first transmitters used, only two of a total of 52 radio collars have failed before giving us some information.

After two years, a few facts are beginning to emerge from our investigations. Migration patterns are beginning to take on the complex aspect that might be ex-



A cow with a new necklace leaves the tagging chute in a hurry.

pected from a winter range as scattered as that in the Lochsa. Some of the elk do not move very much and are essentially year-long residents in comparatively small areas of a few square miles. Others spend the winter at low elevations near the mouths of tributary drainages and migrate to the head of the same drainage for the summer. The most common general pattern is east to west along the river with the elk moving westward down the river in the winter and back upriver for the summer. One interesting fact about this pattern is that some elk spend their summers in the same areas that others spend their winters. Those elk that we have been able to follow for more than one year have followed the same annual movement pattern each time.

Age Structure

The average age of a Lochsa elk is fairly old. About 20% of the cows in the herd are over eight years old which is considered elderly for an elk. Two twenty-year-old cows have been tagged and animals between 10 and 18 years of age are common. The bulls are younger, averaging two to three years old; the oldest found so far was nine years. The mortality rate of cows is apparently

quite low while that of bulls, although higher, is about the same as in other elk herds where comparable figures are available. The low mortality rate for cows indicates that the present hunting pressures are not having much effect on the herd.

Calf Production

Production of calves is low and appears to be a problem in the Lochsa. The ratio of calves per 100 cows is the standard method of expressing production in elk herds and 50 to 60 calves per 100 cows is considered good. In the Lochsa, ratios have been 21, 34, and 18 in 1969, 1970, and 1971 respectively. Calf survival appears to be the key to the problem. Results of tests at the traps indicate that the pregnancy rate is about 87% in cows over one year old (elk are not known to breed as calves). This is fairly high considering that cows rarely produce calves until their third year of life except under the most favorable range conditions. Most of the cows tested have been within one or two months of calving and a high percentage of abortions or miscarriages is unlikely. Observations of elk in August and September show low calf: cow ratios indicating that most of the calf mortality is in the first two or three months of life.

Future Research

The migration studies will essentially be completed by the spring of 1973. By that time we will have most of the information required and any further data will be collected on a part-time basis. Preliminary investigations on calf survival will begin in the spring of 1972 and an intensive three-year project on this phase will begin in 1973. Population dynamics of the herd will be studied until the end of the calf survival investigation.

Let there be questions; the mind punctuated with periods is slow to progress.

Elmer Shaw

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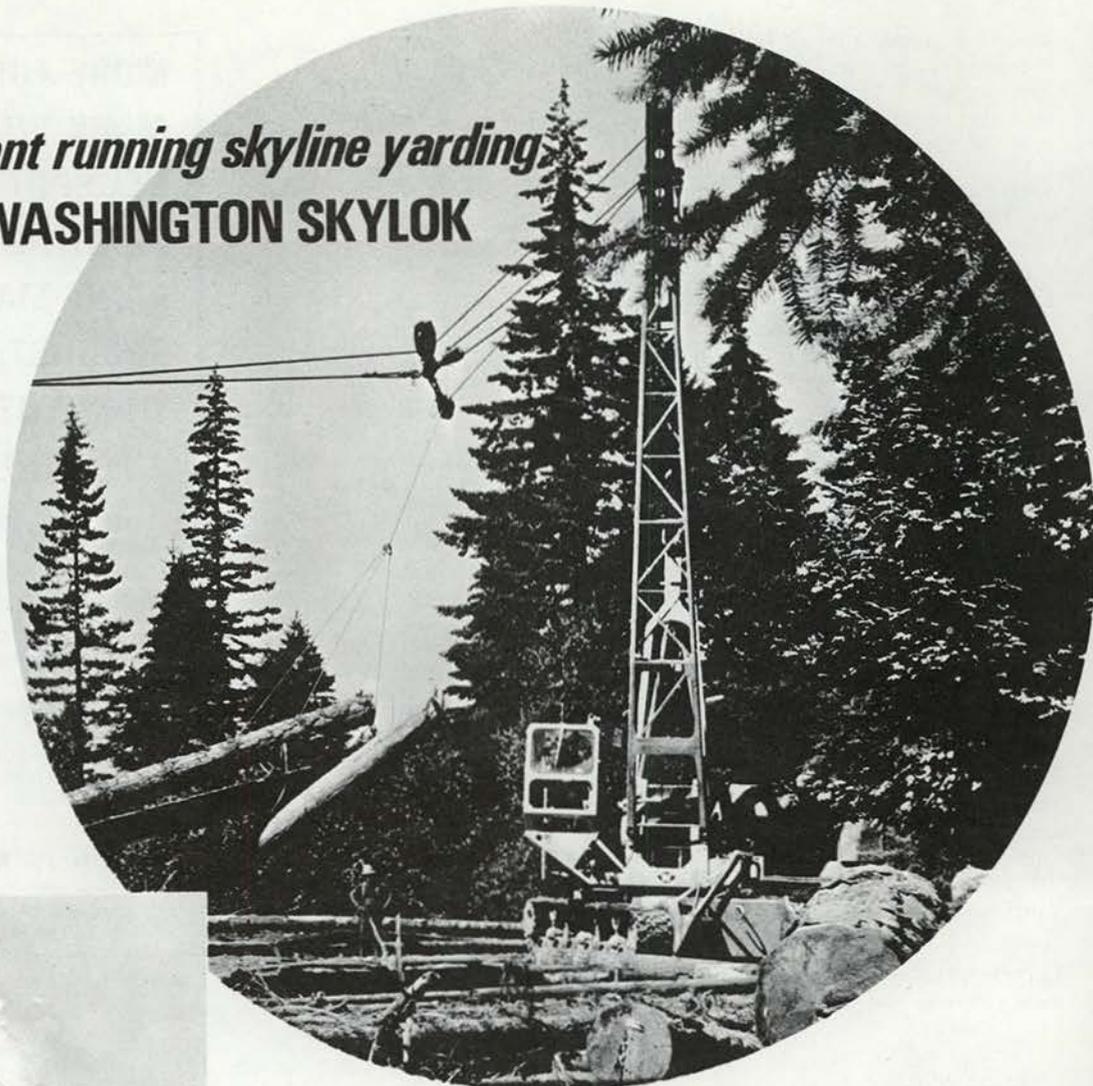


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Medusahead in Idaho

M. Hironaka, Associate Professor
Range Management
University of Idaho

INTRODUCTION

The most serious range weed problem in Idaho is medusahead, an exotic annual grass that infests nearly a million acres of rangeland in southern Idaho. The principal areas affected include portions of Gem, Payette, Washington and Boise Counties.

Medusahead is non-poisonous, but its undesirable characteristics include low palatability to livestock and occupancy of space that could support more desirable species. The grazing capacity of some infested ranges has been lowered by as much as 50 percent.

Pre-Medusahead Vegetation

The original vegetation of present day ranges infested with medusahead was composed of big sagebrush with an understory of perennial grasses and forbs. With abusive grazing the understory of perennials was destroyed and replaced by annuals, particularly cheatgrass, an introduced annual grass. The sagebrush population was reduced to scattered patches and individuals, the result of repeated fires with cheatgrass providing highly combustible fuel.

This was the setting when medusahead moved in. Although medusahead had been collected by a taxonomist in the Pacific Northwest in the 1800's, it wasn't until 1944 that it was collected in Idaho. The population explosion occurred in the 50's and 60's and medusahead rapidly replaced the more desirable cheatgrass where conditions were suitable.

Ecological Studies

The change from cheatgrass to medusahead occurs even without disturbance or weakening by mismanagement of disease. It is a natural replacement process — a phenomenon called secondary succession. The rate of replacement may be further hastened by differential preference by livestock or smut, a fungus that affects seed production of cheatgrass. Thus, medusahead dominance must be considered a stage in secondary succession that is higher up the successional ladder than cheatgrass. This species is better able to utilize the resources of the site than cheatgrass. Although medusahead is less desirable from man's viewpoint, it does not alter the fact that this species is ecologically superior to cheatgrass on sites where it dominates.

Moisture Requirement

Medusahead requires a longer season of moisture availability than cheatgrass. Although both of these species germinate about the same time in the fall or winter, the development of medusahead is slower by 10-14 days. This means that medusahead cannot successfully invade all ranges that presently support cheatgrass. The latter is able to dominate areas that receive too little precipitation for medusahead but sufficient for completion of its life cycle. The lower precipitation limit for medusahead is about 10 or 11 inches in southwestern Idaho.

Toward the lower precipitation limit, medusahead is

restricted to the heavier textured soils or to northerly slopes where soil moisture conditions are more favorable. Soil texture becomes less important in areas of higher precipitation.

Production

Medusahead can tolerate considerable crowding. Densities as high as 1800 plants per sq. ft. have been recorded. Densities of several hundred plants per sq. ft. are common. Production ranges from a few hundred to more than a thousand pounds per acre, depending upon the nature of the site.

Nutrient Status

The green growth of medusahead contains as high a protein content as cheatgrass at comparable stages of development. The silica content is considerably higher, however. With ash content ranging from 10 to 18 percent of the plant weight (oven dried), silica accounts for 70 to 85 percent of the ash. This makes medusahead one of the highest accumulators of silica. The extremely high silica content may be partially if not wholly responsible for its low palatability and slowness to decomposition. Ingested medusahead seed remains intact after passing through the digestive tract of sheep, rabbits, Chukar partridge, and presumably cattle.

Fire Hazard

Due to the large annual production, low utilization and slow decomposition of medusahead, accumulation of old growth is rapid and a situation of high fire risk develops. Although medusahead is not as combustible as cheatgrass, the tendency of high fuel build-up makes conditions suitable for wild fires that spread rapidly and are difficult to control. Much of the terrain of medusahead range is rocky and/or steep, further hampering fire control efforts, and burns encompassing several thousand acres are common. The medusahead population is only temporarily affected by fire. In a few years medusahead again dominates the landscape, giving an aspect of shrub-free vegetation because fire readily destroys the sagebrush that had become established since the previous fire.

Rehabilitation

Permanent control of medusahead can be achieved only by replacement with a perennial. Prescribed burning and herbicides can reduce the medusahead population temporarily, but unless perennials are established, the treated area is soon dominated by medusahead again.

Artificial seeding with desired perennials requires preparation of a clean, firm seedbed for successful establishment. Small areas have been artificially seeded and have successfully resisted reinvasion by medusahead, but cost of artificial revegetation has been high. The steepness and rockiness of terrain make artificial seeding costly because only small scattered tracts of land can be treated.

Return of perennials through management offers the only feasible solution on most medusahead ranges. Establishment of perennials is slow because of competition by medusahead during the critical seedling stage. Unfortunately, none of the improved strains of perennial grasses has the ability to become established without a well prepared seedbed. Research indicate that squirreltail, a native perennial grass, is able to become established in medusahead dominated stands.

Squirreltail is only fair as a forage species. It is not a high producer and the bristly seedheads are avoided by livestock. These disadvantages are compensated by squirreltail's ability to become established without artificially preparing a seedbed. The rate of establishment is controlled by seed availability, competition and management practice.

The Bureau of Land Management is conducting a rest-rotation grazing trial to evaluate this system of grazing in restoring perennials on medusahead range. This system is designed to promote seedling establishment of perennials. Sufficient time has not lapsed to evaluate the results.

It is likely that squirreltail will be the first perennial to increase in number. Its rate of increase will be controlled by seed availability. Unfortunately, an abundant, uniformly distributed source of seed is lacking. This will probably limit the success of the trial more than any other factor.

Range Weed Problems

Basically, the medusahead problem is no different than other range weed problems, for example — halogeton or goatweed. Seldom is it the case that exotic weedy species crowd out and displace desired perennials. More often, weedy species invade unoccupied space created by the destruction or severe weakening of desired perennials. When weedy species become dominant, they are able to discourage, and in some situations prevent, the natural re-establishment of desired species, however.

Young researcher: "Resource Management begins in the mind of men."

Old Rancher: "Yes. But don't let it end there!"

Elmer Shaw

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(Continued from page 20)

that for wood pulp: maximum wood-fiber yield per acre per year. This in turn could mean that Idaho forests, which cannot compete with coastal and southern forests in rate of fiber production may in the future best be managed for recreational and watershed values rather than production of saw logs.

(Continued from Page 14)

the profound changes for responsive forest stewardship already accomplished by public land managers and the forest products industry. Failure to do so, at this time will but prolong the already disturbing phenomenon of silence at public agency timber auction tables. There will simply be no timber offered and, ultimately, no industry dependent upon these timber sales for a raw material supply.

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A large, detailed illustration of a tree trunk, possibly a Douglas fir, dominates the left side of the page. The trunk is textured with fine lines and curves downwards from the top left towards the bottom center. At the base of the tree, a cartoon character of a worker wearing a hard hat, a jacket, and overalls stands holding a shovel. The worker is smiling and looking towards the viewer. The background is a light, textured grey.

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ANDREWS DUANE S	PLANT SCI DEPT U I	MOSCOW	BRITTON MERLE R	RANGE CONSERV SCS	POST	TEXAS	79356
ANDREWS LYLE W	2208 TEVIS ROAD	SACRAMENTO	BRITTON MERLE R	2005 POPLAR	HELENA	MT	59601
ANDREWS MILTON D	3102 S MANITO BLVD	SPOKANE	BRITTON MERLE R	605 G ST SW	WASHINGTON	D C	20024
ANDREWS RUPERT E	3920 BALCHEN DRIVE	ANCHORAGE	BRUCE LEC E	PO BOX 30	CASCADE	IDAHO	83611
ANDRUS DALE	8901 BRAEBURN DR	ANNANDALE	BROCK ROBERT J	BOX 460	BURLEY	IDA	83318
ANGELL HERBERT W	PO BOX 699	SEDONA	BRONSON E W	BOX 547	WARMSPRINGS	ORE	97761
ANGLEL ELDON L	BOX 71	HARRISON	BROOKS ALLEN L	BLACKROCK RGR STA	MORAN	WYO	83013
ANGYLE JOSEPH D	USFS FS BLDG	JACKSON	BROOKWELL WARD T	1660 BROOKHURST	MEDFORD	OREG	97501
ARMOUR CARL	VETMEDICINE TEX A&M	COLLEGE STA	BROSS RICHARD H	BOX 143	MCCALL	IDAHO	83638
ARMSTRONG JAMES P	STAR RTE 1 BOX 805	BREMERTON	BROWN CHARLES G	201 W 46TH ST	VANCOUVER	WASH	98665
ARNASON ALLAN T	606 OAKLEY PLACE	ALEXANDRIA	BROWN DAVID C	2784 GRIFFIN CK RD	MEDFORD	OREGON	97501
ARNESON LAWRENCE N	BOX 175	HEADQUARTERS	BROWN DR FRANK A	888 S ORANGE GROVE	PASADENA	CALIF	91105
ARNOLD DALE L	2000 N ADAMS	ARLINGTON	BROWN ELLSWORTH R	WASH ST DEPT GAME	MT VERNON	WASH	98273
ARTHURS AUBREY J	U S F S	SANDPOINT	BROWN GENE S	725 EAST E ST	MOSCOW	IDAHO	83843
AULERICH DEAN L	U OF I FOR	MOSCOW	BROWN JAMES P	BOX 802	PITTSBURG	N C	27312
BACHMANN ROGER W	RR #3	AMES	BROWN LAWRENCE W	BOX 153	KENTON	MICH	49043
BAHR THOMAS G	2139 JACKSON STREET	LACROSSE	BROWN RICHARD I	ASH FLAT	ARKANSAS	72513	
BAIR JAMES V	GALLATIN NATL FOREST	LIVINGSTON	BROWN ROGER C	BOX 1348	OMAK	WASH	98841
BAILEY EDWARD D	10803 KEMORE ST	CULVER CITY	BROWN STEWART E	1435 GERALD AVE	MISSOULA	MONT	59801
BAKER BERTRAM C	RT 1 BOX 24	DICKINSON	BROWNING ARNOLD J	ROUTE 1 BOX 162	ROCHESTER	N H	03867
BAKER GARY E	25 REDDING PLACE	OAKLAND	BRUCKNER RICHARD A	1979 MERCURY DR S	ELALBUQUERQUE	NM	87118
BAKER RAYMOND J	DICKINSON ND	58601	BRUNN DAVID S	RT 2	MANCHESTER	TOWA	52057
BALCH ALFORD P	MACKS INN	IDAHO	BUCHANAN T S	PO BOX 2570	ASHEVILLE	N C	28802
BALL KENT WM	LEWISTON ID	83501	BUCHERT GEORGE P	ROUTE 3 BOX 270	MOSCOW	IDAHO	83843
BALL VERNON C	251 S 3RD E	SODA SPRINGS	BUFFET JACK L	105 PRINCESS APTS	POCATELLO	IDAHO	83201
BALLEK LEONARD J	807 AVOCA AVE	SHERIDAN	RUFFINGTON CHARLES D	COOP WILD RES VPI	BLACKSBURG	VA	24061
BALSER DONALD S	FOR SP FISH BLDG	DENVER	BULLOCK ARNOLD E	30 INSPIRATION DR	SUSANVILLE	CAL	96130
BALTUTH OTTO	1502 BALFOUR LANE	CINCINNATI	BURKHARDT JEROLD W	RT 2 BOX 63	RIGBY	IDAHO	85442
BARO GEORGE L	PO BOX 35	CRAIG	BURLISON VERNON	EXT FOR U OF I	MOSCOW	IDAHO	83843
BARDSLEY LAWRENCE H	HX 243 BUR LAND	MANSHOSHONE	BURMAN JAMES W	8138 PALM DR	FAIRCHILD	AFWA	99011
BARIBEAU WILLIAM T	677 CHAUTAUQUA BLVD	VALLEY CITY	BURROUGHS ISAAC C	518 N MAIN STREET	CLINTON	TENNESSEE	37716
BARKER MONTE F	1203 GLENN	SCOTT CITY	BURTON CARY L	735 N 3RD STREET	MONTROSE	COLORADO	81401
BARKER PAUL F	BOX 206	CLARK FORK	BURTON JIM P	2036 THORNHURG DR	LARAMIE	WYOMING	82070
BARNARD CARROLL R	645 PARK BLVD	ONTARIO	BURTON LYNCOLN E	BOX 206	GRACE	IDA	83241
BARNETT STEELE	6525 ROBERTSON DR	BOISE	BUSH BILLY L	80 STEPHEN DRIVE	PLEASANTVILLE	NY	10570
BARNEY LAMY D	BOX 323	MEDORA	EUSH PHILIP J	RTE 1 BOX 197	MOSCOW	ID	83843
BARRETT DAVID S	RD #1 BOX 69	G BARRINGTON	BUTLER CPT STEPHEN D	2825 NW 35TH	OKLAHOMA	OKLAHOMA	73112
BARTLETT KENNETH H	STAR ROUTE	DIXON	BYRNES JAMES H	303 ALTURAS DRIVE	TWIN FALLS	IDAHO	83301
BASFORD DOUGLAS D	BOX 396	PARMA	CABLE DWIGHT R	BOX 4460	TUCSON	ARIZONA	85717
BASILE JOSEPH V	FOREST SCIENCES LAB	BOZEMAN	CAIN GARY L	ST REGIS R D	ST REGIS	MONTANA	59866
BATES KYLE C	ROUTE 1 BOX 13	ATHOL	CALLAWAY GEORGE J	358 AMHERST	LAVERNE	CALIF	91750
BATES ROBERT W	HGX 21	EAGAR	CAMARCTA MICHAEL J	1550 SHEPARD AVE	MT CARMEL	CONN	06518
BATTEN CHARLES R	332 S MICH RM 1836	CHICAGO	CAMERON ROBERT L	ROUTE 1 BOX 201	HAYDEN LAKE	IDAHO	83835
BAUER MICHAEL A	2715 DAVENPORT AVE	DAVENPORT	CAMMACK FRANK M	1550 QUINCY AVE	BEND	ORE	97701
BAUGH GRANT	BLM BOX 1867	IDAHO FALLS	CAMPANA RICHARD J	DEPT BOTANY U OF M	OHONO	MAINE	04473
BAUMANN HERMAN	225 HILLSIDE AVE	PIEDMONT	CAMPBELL DONALD P	6914 SIESTA DRIVE	MISSOULA	MONT	59801
BAY ROGER R	5102 STONE HAV DR	ANNANDALE	CAMPBELL DUNCAN	C/O SOIL CONSERV	TOWNER	N DAKOTA	58788
BEACH MICHAEL O	2307 MARKET ST	CHEHALIS	CAMPBELL JESSE L	5/20 148TH ST SW	EDMONDS	WASH	98020
BEAN CLARENCE D	DEPT NAT RES SW	REGVANCOUVER	CAMPBELL JOHN D	CHALLIS NAT FOR	MACKAY	IDAHO	83251
BEARD JESSE A	1614 ALISO DR NE	ALBUQUERQUE	CAMPBELL OMAR M	330 FIRST AVE	MONTA VISTA	COLO	81144
BEASTER ERVIN J	DEP NATURL RESOURCE	SULTAN	CANADY MICHAEL L	6916 SUNSET TERRACE	DES MOINES	TOWA	50311
BECK BRYCE	525 AVILA RD	SAN WATEO	CANFIELD ELMER R	PLANT PATH U ARIZ	TUCSON	ARIZ	85721
BECKMAN THOMAS J	3315 S PROCTOR	TACOMA	CANTRELL HARMON R	ROUTE 2 BOX 37	SANDPOINT	IDA	83864
BEECHAM JOHN JR	BOX 297	CAREY	CAPELLAN JIM E	DEPT OF NAT RES	CATLAMET	WASH	98612
BEIER RICHARD J	DNR BOX 381	SHAWANA	CAPORASO ALESSIO P	1631-27TH ST	OGDEN	UTAH	84403
BELTIA FRANK G	RT #2 BOX 130	POCATELLO	CARD ANDREW J	1597 LINDA ROSA A	LOS ANGELES	CALIF	90041
HELL JEROME L	HAROLD APTS BOX 81	FRANKLINTON	CARLSON CHARLES E M	2037 VESTA WAY	SACRAMENTO	CALIF	95825
RENNETT CARY H	4918 DUFFER R NW	ALBUQUERQUE	CARLSON MELVIN R	2512 REDWAY RD	BOISE	IDAHO	83704
BENSON RUDOLPH J	811-23RD AVE NW	NEW BRIGHTON	CARMICHAEL JAMES E	7504 6TH APT 308	SPOKANE	WA	99204
BERGQUIST JON R CAPT	217 LAKEVIEW	AMERY	CARMICHAEL HALPH L	FOREST RES LAB OSU	CORVALLIS	OREGON	97331
BERKEY RONALD E	BUREAU LAND MGMT	FAIRBANKS	CARPENTER ROBERT S	312 S WASHINGTON	MOSCOW	IDA	83843
BERNTSEN DR CARL M	1617 LEESDALE CT	FORT COLLINS	CARPENTER STANLEY B	DEPT OF FOR U OF K	LEXINGTON	KY	40506
BERRIGAN WILLIAM C	RT 4 BOX 17	SEDRO WOOLLEWASH	CARR RONALD J	3627 DAVE CT	SAN DIEGO	CAL	92103
BERSCHIED GEORGE H	US FOREST SERVICE	WALLA WALLA	CARRINGER WILMER D	PO BLDG USFS	PROVO	UTAH	84601
BEST RICHARD K	1903 S CHAMBERS ST	OLYMPIA	CARTER JAMES C	P O BOX 81	PARADISE	CALIF	95969
BETHKE JOHN A	45 VALENTINE RD	PRIARCLIFF	CARY ORVILLE B	PO BLDG FIRE STAFF	BAKER	OREGON	97814
BETTS JAMES W	WIND RIVER NURSERY	CARSON	CASEY OSBORNE E	U S FOREST SERVICE	KALISPELL	MONT	59901
BEUS ELDON C	BOX 511	SHOSHONE	CAZIER SAMUEL E		AFTON	WYOMING	83110
BHANDHURANA VINAI	KASSETSART UNIV	BANKOK	CHANDLER DEAN B	APARTADOPPOSTAL 4851	GUAYAGUIL	ECUADOR	
RICKFORD CHARLES A	N Y COL OF FORESTRY	SYRACUSE	CHATTERTON CLEVE E	BOX 2111	POCATELLO	IDAHO	83201
BICKFORD RICHARD	ASSESSOR LEWIS CTY	CHEHALIS	CHEN TOU	NATL TAIWAN UNIV	TAIPEI	TAIWAN	CHINA
BIGELOW CHARLES A	RT 2 BOX 20	BEND	CHICKEN ROBERT R	SIUSLAW NATL FOREST	THEBO	ORE	97122
BIGLER ROBERT L	BOX 461	DARBY	CHOHLIS JOHN	1800 AVE OF STARS	LOS ANGELES	CALIF	90067
BIKER JOHN B	110 RITCHIE AVENUE	TRAIL	CHOUINARD MARVIN B	103 E 3RD ST	COSMOPOLIS	WASH	98537
BILADEAU JAY G	2802 W BANNOCK	BOISE	CHRISTENSEN DAVID L	201 SOUTH MAIN ST	FREMONT	NEBRASKA	68025
BILLINGS WILLIAM E	207 W GREENWOOD	LAHABRA	CHRISTENSEN GENE L	ROUTE 4	SPARTA	WISCONSIN	54656
BINGHAM RICHARD T	612 MOORE	MOSCOW	CHRISTIANSEN NEILS B	STATE U COLL OF FOR	SYRACUSE	NEW YORK	13210
BIRKMEYER ARTHUR R	75 NIGHTENGALE #216	GULF BREEZE	CHRONIC RYDER W	RT 3 BOX 38	DEER PARK	WASH	99006
HISHOP DOUGLAS A	SOIL CONSERVA SERV	ABERDEEN	CHUGG FREDERICK M	BOX 123	AVERY	IDAHO	83802

CHUPP NORMAN R	9029 FASHION DR	SACRAMENTO	CALIF	95826	EDWARDS DOUGLAS F	822 ST MARIES AVE	COEUR DALENEIDAHO	83814	
CLACK JAMES H	PO BOX 8669 ENSLEY	BIRMINGHAM	ALA	35218	EDWARDS JOHN R	DEP NATURL RESOURCE	COEUR DALENEIDAHO	83814	
CLARK DEWEY E	604 JEFFERSON	RICHLAND	WASH	99352	EDWARDS WILTON B	186 ORR ST	AUBURN	CALIF	95603
CLARSON JAMES P	B L M	MECFORD	ORE	97501	EDWARDS JOHN B	2423 S 73 ST	WEST ALLIS	WI	53219
CLAUSEN MELVIN D	2061 WILLOWOOD RD	UKIAH	CALIF	95482	EGGER BRUCE E	BOX 754	POMEROY	WASH	99347
CLEVELAND GILBERT C	BOISE CASCADE CORP	BOISE	IDAHO	83701	EGGLESTON JAMES EUGENE	3835 S 7TH WEST	MISSOULA	MONTANA	59801
CLEMENTS ROBERT E JR	BLM 63 PINE GROV	INWINCHESTER	IDAHO	83555	ELJE JOHNSTON D	N A COURT YANGETO	OTURKPO BP	NIGERIA	
CLOINGER RUSSELL T	5724 S 3RD ST	ARLINGTON	VA	22204	ELG HAROLD CARL	341 LAVA STREET	IDAHO FALLS	IDAHO	83401
CLOSNER FORREST H	2624 MCKINNEY	BOISE	IDAHO	83704	ELLER DOUGLAS D	1806 N 16TH	BOISE	IDA	
CLUBB WILLIAM F	BOX 25	JEROME	IDAHO	83338	ELLER NANCY K	516 ST CLAIR	SANDPOINT	IDA	
CLUTE JAMES W	P O BOX 666	LAKEVIEW	OR	97630	ELLIS IRWIN D	RR 1 BOX 146	CHEHALIS	WASH	98532
COATS ROBERT W	INVO NATL FOREST	MAMMOTH LAKE	CALIF	93546	ELLISON LAURENCE N	BOX 63	STERLING	ALASKA	99672
COATS DURRANT T	1016 N 29TH	WAIME	IDAHO	83706	ELSETHAGEN ROBERT O	957 W FREMONT	POCATELLO	ID	83201
COCHRAN ALLAN R	3626 GREENLAND AVE	ROANOK	VIRGINIA	24012	EMERSON WILLIAM R	1387 1/2 SUNSET	AVERCARTA	CALIF	95521
COCHRANE ROBERT B	LOWER TRIN RGR DIST	SALYER	CALIF	95563	EMMINGHAM RYMOND H	727 NW 35TH ST	CORVALLIS	ORE	97330
COFFMAN MICHAEL S	1617 ANTHONY	HANCOCK	MI	49930	EMMONS ROBERT H JR	ACSC BOX 71-1247	MAXWELL AFB	ALA	36067
COLLINS DANIEL C	629 E 1ST	COLVILLE	WA	99114	EMORY DONALD MILES	RT 5 CRASER DR	BOISE	IDAHO	83705
COLWELL BRUCE E	1040 NW 23RD ST	COEUR DALENEIDAHO		83814	ENDRESS WILLIAM C	W 3009 ROSEWOOD AVE	SPDKANE	WASH	99208
COLWELL JOSEPH A	BOX 218	LAJARA	COLORADO	81140	ENGLAND ALAN G	60R OF LANG MGMT	COOS BAY	OREGON	97420
COMPAGNON PANFLO	812 W 4TH STREET	MECFORD	OREGON	97501	ENGLER GEORGE N	2412-5TH AVE SO	GREAT FALLS	MONT	59401
COMSTOCK DONALD E	USFS SALMON RIV RD	RIGGINS	IDAHO	83549	ENGSTROM LOUIS A	612 BEECH	KEMMERER	WYO	83101
CONKLIN DAVID G	1217 26TH AVE	SPOKANE	WASH	99203	ENGWER JOHN L	113 W FOSTER	COEUR DALENEIDAHO		83814
CONNAUGHTON CHARLES A	80 BOX 3623 USFS	PORTLAND	ORE	97232	ENGLISH WILLIAM W	63 S SOUTH 4TH WEST	MISSOULA	MONTANA	59801
COOK FREDERICK T	BLM 729 NE OREGON	PORTLAND	ORE	97232	ENTER KARL W	321 CONNISTON RD 4	W PALM BEACH	FLA	32405
COOK LEROY L	210 JACKSON ST	RX92PRIEST RIVER	IDAHO	83856	ERHART DENNIS R	14446 SE 16TH	BELLEVEU	WASH	98004
COORNDOR MELVIN A	FOREST SERVICE HLDG	GODDEN	UTAH	84401	ERICKSON DAVID J	NATL FISH HATCHERY	COOKS	WASH	98615
COOPER BRUCE	312 W 28TH	VANCOUVER	WASH	98660	ESTES KENNETH	US FOREST SERVICE	SUSANVILLE	CALIF	96130
COOPER DONALD L	FOREST SCIENCES LBCOR	VALLIS	OREGON	97330	ESTHEIMER CARMON R	360 SE SPRUCE AVE	GRESHAM	ORE	97030
COPPICK SYDNEY	SCOTT PAPER CO	CHESTER	PENN	19015	EUBANKS JAMES O	1NST OF PAPER CHEM	APPLETON	WISCONSIN	54911
CORAY EDWARD A	1220 SOUTH 3RD	BEND	OREGON	97701	EUBANKS THOMAS D	225 SO BENJAMIN ST	STILLWATER	OKLA	74074
CORLETT JOAN C	224 N W 14TH	ALBANY	ORE	97321	EVANS GARY R	123 IMPERIAL PLACE	POCATELLO	IDAHO	83201
CORNELL BLAINE L	50 S VIRGINIA ST	RENO	NEV	89504	EVANS GEORGE H	BOX 344	KETCHUM	IDAHO	83340
COSSITT FLOYD M	5911 HILDERBRAND	NEATLANTA	GEORGIA	30328	EVANS THOMAS C	320 W FLEMMORE	GRAND SPRINGS	COLO	80907
COUSTALES PATRICK G	PO BOX 363	WATMEA KAUAHAWAII		96796	EVEREST FRED H	160 SLEEPY HOLLOW	COLORS PASS	OREGON	97526
COUCH JOSEPH JR	USFS 50 7TH ST NE	ATLANTA	GA	30308	EWING WILLIAM R	USDA	KOOSKIA	IDAHO	83539
COVER JACK E	PRIEST LAKE RS RT	SPIRIEST RIV	IDAHO	83856	EYRAUD EUGENE E	P O BOX 88	LOVELOCK	NEVADA	89419
COX DAVID R	823 GRELLE	LEWISTON	ID	83501	FZEH IGNATIUS J	AGRICULT FORESTRY	ENUGU	NIGERIA	
CRANDALL JOHN A	W 3019 BROAD	SPOKANE	WASH	99208	FALLINI JOE T	RM 334 FEDERAL BLDG	BOISE	IDAHO	83702
CRANSTON WILLIAM V	BOX 731	LAKE CITY	FLORIDA	32055	FALTER CONRAD M	904 WEYLA A	MOSCOW	IDAHO	83843
CRANFORD FRANK R	2310 CONANT DR	BURLEY	IDAHO	83318	FANDRY DONALD D	12311 SKYLARK LANE	BOISE	MD	20715
CRANFORD JAMES R	BEAR SPRINGS RGR STA	UPPIN	OREGON	97037	FARMER EUGENE E	WATER RES UTAH ST	ULOGDEN	UTAH	84321
CRANFORD JOHN E JR	3200 LOURAINECIRCL	SANTA FE	NEW MEX	87501	FARNER JOHN L	3239 W FOSTER	RIVERSIDE	CALIF	92501
CRANFORD KENNETH J	3370 EIGHTH DRIVE	BAKER	OREGON	97811	FARNSWORTH DENNIS I	1142 CHELTON RD	COLO SPRINGS	COLO	80909
CRANKOVICH DAVID C	239 EAST 11TH	IDAHO FALLS	IDAHO	83401	FAULKNER DAVID R	WALLACE RANGER STA	WALLACE	IDAHO	83873
CROGHAN CLAYTON D	20464 BEAV CR RD	OREGON CITY	OR	97045	FAULKNER FREDERICK	2202 JULIAN ST	DENVER	CO	80211
CRONEY THOMAS J	2960 PEARL ST	EUGENE	OREGON	97405	FAVOR FRANK J	1036 N 23RD	COEUR DALENEIDAHO		83814
CROOKS JAMES R	3190 N ATLANTIC	AVECOCOA BEACH	FLORIDA	32931	FEW MAX W	FEDERAL OFFICE BLDG	GODDEN	UTAH	84401
CROSNOR ROBERT G	BOX 622	KINGS BEACH	CALIF	95719	FELLIN DAVID G	USFS FEDERAL BLDG	MISSOULA	MONT	59801
CROUCH GLENN L	225 EAST 17TH AVE	CLYMPIA	WASH	98510	FELTMAN JOHN H	7 BROOK PLACE	OSSINING	N Y	10562
CRUZ EUGENIO DE LA	PO BOX 2121	MANILA	PHIL		FENDER MONTE E	BOX 181	COOS BAY	OREGON	97420
CRYDER MICHAEL J	1528 7TH AVE E	TWIN FALLS	IDA	83301	FERGUSON ROBERT M	US FOREST SERVICE	SANDPOINT	IDAHO	83864
CULP TRYGVE H	BOX 686	OKANGAN	WASH	98840	FERRIER DOUGLAS C	2828 HILLEGASS	BERKELEY	CA	94705
CUMMINGS LEWIS A	SAN ISABEL NAT FOR	LAVETA	COLORADO	81055	FICKE HERMAN O		METALINE	FLSWASH	99153
CUNNINGHAM RUSSELL N	1465 N CLEVELAND	ST PAUL	MINN	55108	FICKES EARL W	PO BOX 1428	PRVCD	UTAH	84601
CURNES GERALD L	1821 DIXON AVE	MISSOULA	MONT	59810	FIELD WALTER D	3405-5TH ST E	LEWISTON	IDAHO	83501
CURRIER WILBUR F	FED BLD 517 GOLD	SWALBUQUERQUE	N M	87105	FIFIELD CHARLES E	PETUNIA PATCH	WAUCONDA	WA	98859
CURTIS ALAN B	2370 DOUGLAS DRIVE	EUGENE	ORE	97405	FILLMORE JOHN E	1004 FAIRWAYTERRACE	ABERDEEN	WASH	98520
CURTIS HARRY J III	RT 2 BOX 280G	MONROE	WASH	98272	FINN LAWRENCE E	BOX 374	COUNCIL	IDAHO	83612
CURTIS LEVERETT H	11040 14TH AVE NE	SEATTLE	WASH	98125	FINN RALPH A	COBALT RANGER DIST	SALMON	IDAHO	83467
CZERWINSKI MICHAEL H	TROUT CRK RGR STA	TROUT CREEK	MONTANA	59874	FISHER DONALD L	4003 BARANOF	KETCHIKAN	ALASKA	99901
DARBS WILLIAM V	BOX 83	FOWLER	KANSAS	67844	FISHER JAMES R	1636 HP BELT CR RD	SPRINGMART	MONTANA	59485
DANIEL BILLY E	RNG MGMT TEXAS	TECHLUBBOCK	TEXAS	79406	FISHER JOHN E JR	MY RANGER SCHOOL	WANAKENA	NEW YORK	13695
DAMMEN HAROLD	628 S HAYES	MOSCOW	IDAHO	83843	FISHER LESTER C JR	2297 GAILS AVENUE	CHEHALIS	WASH	98532
DAILY WILTON K	P O BOX 633	WEDDERBURN	OR	97491	FITCH JAMES H	USFS SANTA FE FOW	CYOTLE	N M	
DANIELS JESS D	WEYERHAEUSER CO	CENTRALIA	WASH	98531	FLANIK GERALD R	US F5	IDAHO CITY	IDAHO	83631
DANIELS KENNETH M	4068 S 875 E	OGDEN	UTAH	84403	FLOCKINGER DAVID L	CASILLA 588	TALCA	CHILE	
DANIELS LARRY L	BOX 475	RIGGINS	IDAHO	83549	FOILES LEWIS W	FOR SCI LAB	MOSCOW	ID	83843
DANIELS WILEY W	BOX 932	SALMON	IDAHO	83467	FOLSON MARVIN L	USFS FEDERAL BLDG	MISSOULA	MONT	59801
DARST EDWARD J	LAKE CITY	CALIF	96115	FOLTZ WAYNE G	US FOREST SERVICE	COUNCIL	IDAHO	83612	
DAVIDSON WILLIAM J	403 SECOND BOX 471	PINEHURST	IDAHO	83850	FORBES ROBERT H	3509 W 34TH AVE	VANCOUVER 138 C		
DAVIS BRENNAN B	3311 COUNTY CLUB	LNSACRAMENTO	CALIF	95821	FOSTER WILLIAM L	PO BOX 397	TROY	KANS	66081
DAVIS JAMES L	P O BOX R	SOLDOTNA	ALASKA	99669	FOWLER LAURIE GARTH	3042 LOUISIANA	LONGVIEW	WASH	98632
DAVIS JERRY A	OKANGAN NAT FOREST	WINTHROP	WASH	98862	FOX CHARLES E	232 N CALVAODS AVE	AZUSA	CALIF	91702
DAVIS MERRILL S	KANIKSU NAT FOREST	TROUT CREEK	MONTANA	59822	FRANCE THOMAS J	3319 N 27TH	TACOMA	WASH	98407
DAVIS ROBERT	5165 CARLINGFORD	RIVERSIDE	CALIF	92504	FRANCIS JOHN K	BOX 3277 UNIV STA	MOSCOW	IDAHO	83843
DAVIS STERLING P	SOILS UNIV OF CALIF	RIVERSIDE	CALIF	92507	FRANZMANN ALBERT W	1026 HARDING	MOSCOW	ID	83843
DEAN STANLEY G	140 NORTH 18TH AVE	POCATELLO	IDAHO	83201	FRAYER HUME C	25 EAST WALNUT ST	JEFFERSON	OHIO	44047
DEAN DANIEL L	GENERAL DELIVERY	HINES	OREGON	97738	FRAYZER GEORGE D	1612 POMANDER RD	BOISE	IDAHO	83705
DEAN RONALD E	ANIMAL SCIENCE DSU	CORVALLIS	OREGON	97330	FRAZIER JOE L	US FOREST SERVICE	NEW MEADOWS	IDAHO	20031
DECKER IVAN C	128 NORTH 14TH ST	POCATELLO	IDAHO	83201	FRIZBERG ROBERT A	2705 GAITHER ST SE	WASHINGTON	D C	20031
DEMARCHI DENNIS A	303-576 SIMLOE ST	SWEET	IDAHO	83670	FROEDIG JAMES L	6 E 1217 VICTOIRE	SPRINGMART	ORE	99207
DEMAREST STEVE B	RT 3 BOX 287	EMMETT	ID	83617	FREEMAN ETHAN W	815 W MAIN	SOUTH VALE	ORE	97918
DEMEYER JOHN H	1360 WILLOWOOD	DRIVELONGVIEW	WASH	98632	FRENCH LARRY C	RR1 BOX 48	POTLATCH	IDAHO	83855
DEPREY JAMES W	P O BOX 372	GUALALA	CALIF	95445	FRIER JAMES C	11687 MONTANA AVE	LOS ANGELES	CA	90049
DESHLER WILLIAM D	FOREST SERV BLDG	KEMMERER	WYO	83101	FROEMING DENNIS K	609 EAST E	MOSCOW	IDAHO	83843
DETLEFSEN WILLIAM D JR	1245 E 11TH ST	FREMONT	NEB	68025	FROST RAYMOND W	RANGER STA STAR RT	LEAVENWORTH	WASH	98826
DEWEY LYNN M	1605 INDIANA NE	ALBUQUERQUE	N M	87110	FRYBERG LAWRENCE W	BOX 85	KINGSTON	IOA	83839
DEWEY MICHAEL L	1830 S THURSTON	ALBANY	ORE	97321	FULCHER GLEN D	5003 WENRUTH PL	ANNANDALE	VA	22003
DICK JAMES JR	411 REYNOLDS AVE	CENTRALIA	WASH	98531	FULLER JAMES R	ROUTE 3N	CALDWELL	IDAHO	83605
DICKSON JAMES R	R R 1	BONNER FERRY	IDAHO	83805	FULTON LESTER R	1612 W SUSSEX	MISSOULA	MONTANA	59801
DIFFENDAFFER JAMES D	1714 ABBS	BOISE	IDAHO	83705	FURNISS ALAN B	294 E 50 N	SMITHFIELD	UTAH	84335
DILLON COL FRANCIS H	9204 MARIA AVE	GREAT FALLS	VA	22066	FURNISS RICHARD A	ROUTE 2 ORCHARD	AVEMOSCOW	IDA	83843
DINGMAN THEODORE E	981 ELIZABETH APT	ISAN FRAN	CALIF	94114	GAFFNEY WILLIAM S	811 THIRD ST	LEWISTON	IDAHO	83501
DISSSELPRETT DAVID A	ROUTE 3 BOX 546	HERMISTON	ORE	98822	GALBRAITH ALLAN W	13409 SE CLATSOP	PORTLAND	ORE	97236
DIXON GERALD E	ENTIAI RANGER STA	ENTIAI	WASH	98822	GALBRAITH MARLIN C	3089 CIRCLE WAY	ODGEN	UTAH	84403
DOOD JACK B	BOX 816	WHITEFISH	MONT	59937	GALE LEE R	427-11TH AVE	ST MARIES	IDAHO	83861
DOLL GILBERT B	3034 CIRCLE WAY	OGDEN	UTAH	84403	GANSEL CHARLES R	119 RODGECOD DR	LAKE CITY	FLORIDA	32055
DOTY ROBERT D	ROUTE 1	ENDICOTT	WASH	99125	GARDNER RAYMOND C	N HAVEN HEIGHTS	KALISPELL	MONT	59901
DOUGLAS DONOVAN L	6822 NORTHVIEW	BOISE	IDAHO	83704	GARIN GEORGE I	DEPT FOR ALBURN U	AUBURN	ALABAMA	36830
DOUGLAS JOHN F	655 CODY COURT	DENVER	COLO	80215	GARTEN RDY E	614 REED LANE	ABERDEEN	WASH	98520
DOUPE WOODROW W	USFS 210 MAIN ST	BOISE	IDAHO	83702	GARTEN WILBUR V	HGX 1275	OROFINO	IDAHO	83544
DREW LARRY A	BOX 22613	ROBBINSDALE	MINN	55422	GARTHE GERALD M	STATE U COL	SYRACUSE	NEW YORK	10310
DREWEK JOHN JH	1109 S 15TH AVE	WAUSAU	WISC	54401	GENAUX CHARLES W	COLLINS PINE CO	WARREN	PENN	16365
DREYER WILLIAM H	KICK HORSE FOR PROD	GOLDEN	B C		GHEEN EDWARD C	200 DRIAN DRIVE	ONTARIO	OREGON	97914
DRIVER WILLIAM R	305 E STORY	BOZEMAN	MONTANA	59715	GIBBONS CHARLES W	RED ROCK LK NW REF	MONTIDA	MONTANA	59744
DUDLEY ROBERT R	928 E D ST	MOSCOW	IDAHO	83843	GIBBS THOMAS E	304 LAUREL AVE	LIBERTYVILLE	ILLINOIS	60048
DUFFY JERRY L	ROUTE #1	COLBERT	WASH	99005	GIBSON HARRY R	252 LIVERPOOL RD	LEXINGTON	KENTUCKY	40504
DUNGAN JAMES L	5552-39TH NE	SEATTLE	WASH	98105	GIFFORD JERRY L	1290 CARSON ST	IDAHO FALLS	ID	83401
DUNN CHARLES A	E 328 OLYMPIC	SPOKANE	WA	99207	GILBERT RUFUS S		DORSET	VERMONT	05251
DUTTON LAWRENCE A	RD 80X 1992	ANCHORAGE	ALASKA	99501	GILBERT VALE O JR	U S FOREST SERVICE	GOLD BEACH	ORE	97444
EASTENBROOK PAUL W	PT 2 BOX 271-A	EMMETT	IDAHO	83617	GILBERTSON HENRY W JR	DAVEY TREE EXPERT	CKENT	OHIO	44240
EASTMAN EUGENE A	SUNSHINE STAR RTE	KELLOGG	IDAHO	83821	GILES THOMAS F	BOX 1728	SANTA FE	N MEXICO	87501
EBERHARD MILTON K	ROUTE 2	BLACKFOOT	IDAHO	83221	GILLETTE JACK E	1911 N BEACH	BOISE	IDAHO	83704
EBY DAVID O	313 N VAN BUREN	MOSCOW	IDA	83843	GILLHAM NORMAN F	900A PINE ST	BENTON	KENTUCKY	42025
EDELBLUTE WM E	209 S PINE	ARLINGTON HTL	OKLA	60006	GISSEL HARVEY W	PAYETTE	IDAHO	83661	
EDGINGTON JOHN RICHARD	315 E 8TH	HOLDENVILLE	OKLA	74848	GLADFELTER HAROLD LEE	827 FRAZIER	TOPEKA	KANSAS	66606
EDLIFSEN JIM	1202 LONGMONT AVE	BOISE	IDAHO	83706	GLAZEBROOK THOMAS B	7809 BRISTOW DR	ANNANDALE	VIR	22003
EDMONSON ELDON H JR	EPA 1200 6TH AVE	SEATTLE	WA	98101	GLEAVES WILLIAM W	2353 OAKWAY TERRACE	GENEVA	ORE	97401
EDWARDS CHARLES H	5818 CLOVER DR	OAKLAND	CALIF	94618	GLENCROSS HAROLD J	BOX 1030	COEUR D'AL	IDAHO	83814
					GLOVER ROBERT K	MURPHY LK RANGE	STAFORTINE	MONT	59918

GODDARD WILTON E	RR #1	NELSON	B C	HIRONAKA MINORU	921 MAYBELLE	MOSCOW	IDAHO	83843
GOEBEL CARL J	PO BOX F	LAGRANDE	ORE	HIRSCHBERG SAUL B	RT 2 BOX 352A	N-FREWATER	OREGON	97862
GOLDBLUM RUDOLPH	PO BOX 37C	HAYDEN LAKE	IDAHO	HITT WRIGHT	121 POWERSVILLE RD	MT LAKES	N JERSEY	07046
GOLDING EDWARD J III	CASILLA 57	CAUQUENES	CHILE	HOBSA ROBERT L	USFS USA 5 BLDG	WASHINGTON	D C	20250
GOLDSMITH WARREN H	741 N DAVIS	WEED	CALIF	HOBSA BENNIE C	116 MURRAY STREET	BOISE	IDAHO	83704
GOLLAHER JOHN R	669 CATLINA WAY	LOS ALTOS	CALIF	HODCH FRANCIS E	763 CHURCH ST NE	SALEM	OREGON	97301
GOOCH TOMMY W	BOX 721	SALMON	ID	HOCKADAY JAMES M	PAYETTE NATL FOREST	MCCALL	IDAHO	83638
GOOD VERNON A	414 ALDERWAY BLDG	PORTLAND	ORE	HODDER RICHARD L	POCPURINE RANCH	GALLATIN	GTYMONT	59730
GOODNIGHT WILLIAM JR	432 E COURT	WEISER	IDAHO	HODGE RICHARD S	RT 5 PRIEST LAKE	RSPIEST RIV	IDAHO	83856
GORDON CHARLES D	904 W A	MOSCOW	IDA	HODGES CHARLES S	BOX 5397 ST COL	STARALEIGH	N C	27607
GORSUCH HOWARD L	RT 1 BOX 278	COLVILLE	WASH	HOELKE ROY H	615 S BUCKNELL AVE	CLAREMONT	CALIF	91711
GORSUCH ROBERT V	USFS	KALISPELL	MONT	HOFSTRAND ARLAND D	COL OF FOR U OF I	MOSCOW	IDAHO	83843
GOUSLING KENNETH R	210 WELLINGTON RD	MINEOLA	N YORK	HOGANDER SAMUEL G	226 N LINE 5	MOSCOW	IDAHO	83843
GOSZ JAMES R	810 SCI DARTMOUTH	UNANDOVER	N HMPSHRE	HOGOODS RODNEY R H	8718 CROMWELL DRIVES	SPRINGFIELD	VA	22151
GOULD VIRGIL A	COL OF AG CORNELL	UITHACA	N Y	HOLL ROYALE G	BLM FEDERAL BLDG	DENVER	COLO	80202
GRABAN JAMES R	600 S WALNUT	BOISE	IDAHO	HOLLETT GEORGE G	229 BENTLY DR E	FAIRBANKS	ALASKA	99701
GRAHAM DONALD P	6809 GILLINGS ROAD	SPRINGFIELD	VIRGINIA	HOLMER LEE W	1679 B RIVER VIL	FT BELVOIR	VA	22060
GRAHAM GUY C	BOX 155	LEWISTON	IDAHO	HOLT BURTON W	P O 1127	ROSEBURG	OREGON	97470
GRAVELLE PAUL J	834 W ST	MOSCOW	IDA	HOLTON CARL L	7028 STANLEY AVE	ST LOUIS	MISSOURI	63143
GRAY DALLAN W	6704 CASSELBERRY W	SAN DIEGO	CALIF	HOLTORP RUSSELL D	WALMO	MO	68040	
GRAY GENE M	634 HUGHES DR	PAYETTE	IDAHO	HOOK GARY V	870 JACKSON ST	KETCHIKAN	ALASKA	99901
GRAY JOHN W	4641 WEST ROAD	LAMESA	CALIF	HOOK JOHN R	USFS	HUNGRY HORSEPOINT	59919	
GRECO VERNELOD	PO BOX 194	TAYLOR	ARIZ	HOOKER LARRY L	625 SO LYNN	MOSCOW	IDAHO	83843
GREEN HAROLD S	515 SHORE PINES	AVECOOS BAY	OREGON	HOOTS THOMAS A	C/O OSF BDX	1295 SONORA	CALIF	95370
GREENE EDWIN G	RT 1	PLUMMER	IDAHO	HOPPER ROBERT E	2474 AUHUUH ST	PEARL CITY	HAWAII	96282
GREENFIELD SAMUEL F	SOIL CONSERVAT SER	BEND	OREGON	HORN FREDERICK W	PO BOX 357	COLUMBIA 5	CAR	29202
GREENWOOD THOMAS G	37 DEODORA DR	ATHERTON	CA	HORN RICHARD L	8355 W STATE ST	BOISE	IDA	83702
GREGG JAMES B	SEATTLE GUN CLUB	REDMOND	WASH	HORN WILLIAM J	BOX 313	PALOUSE	WASH	99161
GREICHUS ALGIRDAS	S DAKOTA STATE COL	BROOKINGS	S DAK	HORNUNG DONALD JR	1402 POTTER	RICHLAND	WASH	99352
GRIFFITH RUSSELL F	FED BLDG BOX 400	CLEVELAND	TENNESSEE	HORTON WILLIAM D	1095 BOWER DR	IDAHO FALLS	ID	83401
GROOM JACK I	RT 2 BOX 16	SHERWOOD	OREGON	HOSKINS LEONARD W	1342 CEDAR STREET	ELKO	NEVADA	89801
GROSVOLD HALLVARD	BOISE CASCADE CORP	COUNCIL	IDAHO	HOSKINS PAUL A	USFS	W YELLOWSTONE	59758	
GROVE GERALD H	BOX 1889	KETCHIKAN	ALASKA	HOSS STEVEN A	BOX 145	HOPE	IDAHO	83863
GROVES BRUCE V	6908 ASHLAND DR	BOISE	IDAHO	HOSSFELD RALPH L	U OF M WOOD CHEM	ST PAUL	MINN	55101
GUENTHER KEITH S	RTE 4 BOX 108A	ELLENSBURG	WA	HOUSE GERALD D	SYLVANITE RGE ST	TRITROY	MONT	59935
GUERNSEY ROGER L	3418 MT VIEW DRIVE	BOISE	IDAHO	HOWARD DAVID R	RT 2 BOX 1351	LIBBY	CALIF	59923
GUERNSEY WILLIAM G	1806 HARRISON BLVD	BOISE	IDAHO	HOWARD HOLLY W JR	PO BOX 800	ONTARIO	CALIF	91761
GUSTAFSON JOHN R	2008 W 20TH ST	BOISE	IDAHO	HOWARD VERNIE W JR	8X 3044 U PARK STA	LAS CRUCES	NEW MEX	88001
GUY DANN LEE	13202 VICKERY E	TACOMA	WA	HOLAND JAMES R	2775 CASSINIA CT	EUGENE	ORE	97402
HAAG WILLIAM S	1409 BIRCH AVE	COEUR D'AL	IDAHO	HOWE NORMAN R	2921 VALLEY VIEW	MISSOULA	MONT	59801
HABIB PHILIP C	FOREIGN SER MAIL	RMWASHINGTON	D C	HOYE JOHN	217 SALERNO RD	FORT DRD	CALIF	93641
HAGEDORN CHESTER L	28 NORTH WALNUT ST	DILLON	MONTANA	HRONEK BRUCE B	1356 LEWIS DRIVE	ODGEN	UTAH	84404
HAGSTEN JOHN E	TALMCON RURAL STA	DEER RIVER	MINNESOTA	HRSUKA CARL F	1825 NE ROBERTS	GRESHAM	OR	97050
HAIN HERBERT D	GROVELAND RANGER ST	STGROVELAND	CALIF	HSIEH KUO-TSING	PO BOX 126	MT CARROLL	ILL	61053
HAIN ROBERT E	LAKEVIEW RTE	VALENTINE	NEB	HSIN LIANG	FORESTRY U OF I	MOSCOW	IDAHO	83843
HAIGHT WILLIAM R	624 WYLDWOOD	ALAMEDA	IDAHO	HURBELL EARL J	131A N PUGET ST	OLYMPIA	WASH	98501
HALL ARTHUR C	IDAPINE LUMBER CO	GRANGEVILLE	IDA	HURER DEAN W	16735 SW LAKE FOR	LAKE OSWEGO	ORE	97034
HAMILTON WILBUR R	161 YORKSHIRE	RILOXI	MISS	HUBERT JEFFREY J	U OF A PL PATH	DEPTTUCSON	ARIZONA	85721
HAMM HORLEY H	USFS	IRONWOOD	MICH	HUCKINS EDDIE D	BOX 229	BROADUS	MONTANA	59317
HAMMILL ALTON W	612 SW 5TH ST	PENDELTON	OREGON	HUDSON RUSSELL H	STAR ROUTE 1	LIBBY	MONT	59923
HAMPF FREDERICK E	221 N NORWINDEN DR	SPRINGFIELD	PENN	HUGHES JOHN M	GLIDE RANGER STA	GLIDE	ORE	97443
HANKS DAVID L	520 MCBRYDE	MONTESANO	WASH	HULTMAN ANDERS H	VERADALE	WASH	99037	
HANKS LEW E	PO BOX 787	PALMER	ALASKA	HUME JOHN F JR	LEWISTON	IDAHO	83501	
HANNA PAUL L	BOX 275	CLARK FORK	IDA	HUNGERFORD CHARLES H	ZOOL DEPT U OF	ARIZTUCSON	ARIZ	85721
HANSEN EDWARD D	126 SE 5TH AVENUE	N-FREWATER	OREGON	HUNGERFORD KENNETH E	COL OF FOR U OF I	MOSCOW	IDAHO	83843
HANSON JOHN A	BOX 18	MARLES	IDA	HUNGERFORD ROGER D	FSL 1221 S MAIN	MOSCOW	IDAHO	83843
HARBERD JAMES W	901SEASCADDE BX 200	BOISE	IDAHO	HUNT JOHN D	COL OF FOR U OF I	MOSCOW	IDAHO	83843
HARDY WILLIAM E	VALHALLA MARINE RT	COEUR D'ALENE	IDAHO	HUNT LOUIS D	DEER PARK	WASH	99006	
HARLAN GEORGE W	1303 11TH ST	LEWISTON	IDAHO	HUNT THOMAS P	RTE 2 BOX 915	CHEYENNE	WY	82001
HARLAN PAUL W	1155 LINDA VISTA	AVPASADENA	CALIF	HUNTER ERNEST L	ROUTE 4	RUPERT	IDAHO	83350
HARMS DARWIN S	ROUTE #3	NAMPA	IDAHO	HUNTER HAROLD C	2989 INDIAN CRK DR	GISHOP	CALIF	95314
HARMS JAN C	2627 ALEXANDER AVE	HOMEWOOD	IL	HURSEY ROBERT A	FORESTRY HUMBOLDT	JARCAST	CALIF	95521
HARRINGTON PAUL E	P O BOX 253	GRANGEVILLE	IDA	HUTCHINS FLOYD E	C/O L E HUTCHINS	WEIPPE	IDAHO	83553
HARRIS CHALON A	RURAL ROUTE 3	FAIRFIELD	ILLINOIS	HUTCHISON EARL R	792 NORTH 2 EAST	LOGAN	UTAH	84321
HARRIS GRANT A	1401 UPPER DRIVE	PULLMAN	WASH	HYDER DONALD N	PO BOX 1048	WHITEFISH	MONT	59937
HARRIS HAROLD L	BOX 415	ABERDEEN	IDAHO	IMHOFF LED F	RM 272 S HALL C S	UFORT COLLINGS	MONT	80521
HARRIS ROBERT W	INT FOR EXP STA	OGDEN	UTAH	INGERSOLL THEODORE R	4119 ANITRA CIRCLE	COLD SPRINGS	COLO	80907
HARRIS RODNEY	HLM	HURLEY	IDAHO	INT-HOUT PATTERSON B	USFS WENATCHEE N F	WENATCHEE	WASH	98801
HARRIS THOMAS H	45 RALSTON AVE	MILL VALLEY	CALIF	JACKSON JAMES K	2538 MAKIKI HEIGHTS	HONOLULU	HAWAII	96822
HARRISON DARROL L	245 BIRCHWOOD DR	RILLINGS	MONTANA	JACOBS CARL C	USFS MAGRUDER RS	HAMILTON	MONT	59840
HARSHMAN EDMUND P	879 TAMARACK ST	EUGENE	ORE	JAMES CORLAND L	2501 INGLEWOOD RD	BOISE	IDAHO	83705
HART GARY D	DOX 342	WALLACE	IDAHO	JAMES MORRISON R	540 FAIRHAVEN	PORTERVILLE	CALIF	93257
HARTLEY RICHARD F	4624 GAGE STREET	BOISE	IDAHO	JANKOWSKI EDWIN J	1203 WASH AVE	CLOQUET	MINN	55720
HASH HOWARD S	ROUTE 4 BOX 54	MOSCOW	IDAHO	JAGUSHI EDWIN	5319 FROSTY LANE	MADISON	WISC	53705
HATCH ALDEN B	303 N JEFFERSON ST	PETERBORO	NEW YORK	JASPER'S PHILIP M	PO BOX 1056	FORKS	WASH	98331
HATCH H T	2231 S OAK GROVE	MOSCOW	IDAHO	JAY JAMES W	RT 1 BOX 602	COTT GROVE	ORE	97424
HATCH ROGER C	320 W FILLMORE ST	SPRINGFIELD	MO	JAYNE DEN A	COL OF FOR U OF W	SEATTLE	WASH	98105
HAUFF RICHARD T	PO BOX 4097	PORTLAND	OREGON	JEFFERS DWIGHT N	4118 N 38TH	TACOMA	WASH	98407
HAUMONT THOMAS W	FOR SCIENCES LAB	MOSCOW	IDAHO	JEFFRIES LAVAY W	2209 NE GRANT	HILLSBORO	CR	97123
HAUPT HAROLD F	PO BOX 252	BLUE LAKE	CALIF	JEMISON GEORGE W	3920 NW ELIZABETH	CORVALLIS	ORE	97330
HAUXWELL DONALD L	DIV FOR DIS RES	CSUFORT COLLINS	COLO	JEMMETT COY G	ROUTE 5	SEATTLE	WASH	98605
HAWKSWORTH FRANCIS G	2811 HILL ROAD	BOISE	IDA	JENNESS BENNING F	2318 N 172 ST	CADWELL	IDAHO	83401
HAY JOHN A	105 PALMER DRIVE	FT COLLINS	COLO	JENSEN GENE S	735 E 14TH STREET	IDAHO FALLS	IDAHO	83401
HAYES GEORGE L	607 W 109 TERRACE	KANSAS CITY	MO	JENSEN NORMAN R	ROUTE 2	KUNA	IDA	83634
HAYES JOHN F	RT 1	BONNERS FRY	IDAHO	JEPPESEN MARVIN	KEATING	OREGON	97847	
HAZELBAKER DON	PROF OF FOR UOC	BERKELEY	CALIF	JEPSSON JERALD P	RIBBY	IDAHO	83442	
HEADY HAROLD F	510 ST MARY AVE	CAREY	OHIO	JEPSEN STANLEY M	7205 OAK RIDGE	CHEVY CHASE	MARYLAND	20015
HECK DAVID W	SCS	ELKO	NEVADA	JOHANNESSEN MARK M	1825 NE SCHUYLER	PORTLAND	ORE	97212
HECKATHORN BUHEL R	PO BOX #5	CANBY	CALIF	JOHNSON RAYMOND	1842 WESLEY AVE	BERWYN	ILL	60402
HEEBNER GORDON C	RT 1 9405 E STOLL	E LANSING	MICH	JOHNSON CHARLES G JR	COLLEGE OF FORESTRY	MOSCOW	IDA	83843
HEEZEN KEITH L	C/O AL J HEIMER	WENTOR	KANSAS	JOHNSON DANIEL J	509 E 4TH	CLEELUM	WA	98922
HEIMER JOHN T	PO BOX 209	FRUITLAND	IDAHO	JOHNSON DEAN W	240 N SHELDON ST	RICHLAND	CTRWISC	53581
HEINRICH RICHARD	5866 QUEEN ANNE CT	DAYTON	OHIO	JOHNSON DENNIS F	BUREAU OF LAND MGMT	SUSANVILLE	CALIF	96130
HEINZ THOMAS A	1328 S E CENTER	PORTLAND	ORE	JOHNSON FREDERIC D	COL OF FOR U OF I	MOSCOW	IDAHO	83843
HEISSER FLOYD B	PO BOX 152	SUNDL	CALIF	JOHNSON GARY S	715 S W 28TH	PENDELTON	ORE	97801
HEITMANN ALEXANDER JR	BOX 461	DILLON	MONT	JOHNSON HONARD E	2106 2ND ST	NATCHEZ	MISS	39120
HELLE JOE T	BIOLOGICAL LAB	AUKE BAY	ALASKA	JOHNSON HOWARD E	ORE FOR PRO LAB	CORVALLIS	OREGON	97330
HELLER JOHN H	BLM DENVER SER CEN	DENVER	COLO	JOHNSON JAMES W	46 ROUNTY ST	METUCHEN	N J	08840
HELLER THOMAS H	RR 3	LACOMBE	ALBERTA	JOHNSON KEITH A	515-12TH STREET	RAWLINS	WYOMING	82301
HENDERSON CLIFFORD J	RTE 1 BOX 185	PULLMAN	WA	JOHNSON KENDALL L	2902 ADAMS ROAD	CHEHALIS	WASH	98532
HENDERSON DAVID R	USFS TONTO NATL	FORROOSEVELT	ARIZONA	JOHNSON LAWRENCE C	624 N CURTIS	ALHAMBRA	CALIF	91801
HENDERSON RONALD L	N CASCADES NAT	PARKMARLEMOUNT	WASH	JOHNSON MICHAEL	BOX #7	MCCALL	IDAHO	83638
HENTGES ROBERT J	1323 31ST ST	OGDEN	UTAH	JOHNSON REX S	312 DOUGLAS ST	DALLAS	OREGON	97338
HERBST JOHN R	U OF I COL OF FOR	MOSCOW	IDAHO	JOHNSON ROBERT B	704 S 19TH	POCATELLO	IDAHO	83201
HERMAN KENNETH E	WASH ST DEPT NA	RESVANCOUVER	WASH	JOHNSON THANE J	165 S HOLLAND ST	DENVER	COLO	80226
HERNVALL RONALD L	BOX 451	NORDMAN	IDAHO	JOHNSON THANE J	GREEN HALL U OF	MINST PAUL	WINN	55101
HERRON JOHN O JR	3363 L ST	EUREKA	CALIF	JOHNSTON ROYAL H	1517 11TH AVENUE	LEWISTON	IDAHO	83501
HERTEL JAMES P	BOX 374	HARLOWTON	MT	JONES ROBERT E	WATERFOWL RES STA	DELTA MAN.	CANADA	
HESSE DENNIS E	4308 FORTUNE AVE	LAS VEGAS	NEVADA	JONES WILLIAM D	BOX 415	WEST POINT	VIRGINIA	23181
HETZEL GEORGE K	1305 E PARK DRIVE	EVANSVILLE	IND	JOSLYN GORDON E	1763 WAINWRIGHT DR	RESTON	VIRGINIA	22070
HICKS GEORGE W	BOX 4	FERNWOOD	IDAHO	JUDD HUGH H JR	160 W ANCHOR AVE	EUGENE	ORE	97402
HICKS RONALD E	869 EASTLAND	TWIN FALLS	ID	JUD RICHARD D	PO BOX 602	ISLAND CITY	OREGON	97851
HIGGINS RICHARD R	215 BELAIR RD	BEWEDERE	SC	KAECHER TERRY W	RT 1	BUHL	IDAHO	83316
HIGGINSON LELAND C	1037 E JACKSON	COLO SPRINGS	COLO	KALK GORDON F	BOX 2278 KET RGR	STKETCHIKAN	ALASKA	99901
HIGGS GREGORY L	P O BOX 700	VALE	OREGON	KAPEL FRANK J	1010 CALIFORNIA	LIBBY	MONT	59923
HILL EDWARD B	620 S MONTANA AVE	MILES CITY	MONTANA	KASPE JAMES B	6620 NW MARINE DR	WANCOUVER	B C	
HILL PHILIP W	1407 E FRANKLIN	BOISE	IDAHO	KASSING CECIL A	US FOR SERV FENN	RSKOOSKA	IDA	83539
HILL ROBERT B	200 DAVEY GLEN ROAD	BEAUMONT	CALIF	KASTNER RUSSELL P	TIGER ST RT BX 39	ACOLVILLE	WASH	99114
				KAUFFMAN HAROLD D	BOX 52	GROFIND	IDAHO	83544

KAUFFMAN LYLE R	PO BOX 417	PESHASTIN	WASH	98847	LORENZ JERRY W	ST REGIS PAPER CO	GLENWOOD	WASH	98619
KAUTZ EDWARD W	USFS 2T JOE NAT	FORAVERY	IDAHO	83802	LORTS JACK G	710 NE HOLLADAY ST	PORTLAND 1	2 OREGON	97232
KEATING JAMES F JR	5203 HILL ROAD	BOISE	IDAHO	83703	LOW WILLIAM J	109 NEW CASTLE ROAD	SYRACUSE	NEW YORK	13212
KEENEY LARRY M	PO BOX 628	SHOSHONE	IDAHO	83352	LOWDER MICHAEL D	ROUTE 5	RUPERT	IDAHO	83350
KEHRER KENNETH	BOX 55	MERCED	CALIF	95340	LUCAS WILLIAM J	11512 DEBORAH DRIVE	POTOMAC	MD	20854
KEIBLER RAYMOND C	505 BEST AVE	COEUR DALENE	IDAHO	83814	LUND ROBERT H	555 CORDOVA RM 504	ANCHORAGE	ALASKA	99501
KEMP PAUL D	1829 TRAIL ST	MISSOULA	MONT	59801	LUSCHER CHARLES W	7016 VAGABOND DR	FALLS CHURCHVA		22042
KENNEDY FRED H	RT 1 BOX 154A	AUSTIN	COLG	81410	LUTZ WAYNE R		MELROSE	WISCONSIN	534642
KENNEDY ROBERT J	211 GLENWOOD	GRIFFITH	IND	46319	LYNNA MICHAEL C	368 RAVINE PARK DR	LAKE FOREST	IL	60045
KENNEY JOHN R	C/O D OF W	COEUR D'AY	IDAHO	97400	LYNGSTAD JOHN D	600 SO 12TH ST	COEUR D'AL	IDAHO	83814
KENNON PAUL G	15989 HT KATAHORN	FOUNTAIN	CALIF	92708	LYONS RAYMOND D	1222 S DUDLEY ST	DENVER	COLO	80226
KENYON WALLACE E	KO 127	KELLOGG	IDAHO	83837	MAC GREGOR WARREN S	RT 2 BOX 980	CAMAS	WASH	98607
KEUTER DONALD J	BOX 391	KLICKITAT	WASH	98628	MACLEOD DOUGLAS W	EDGEWOOD ROAD	OXFORD	CONN	06483
KHAN AZIZ A	32C-SEFFALKE TOWN	RAWALPINDI	PAKISTAN		MAGNUSON GERALD E	10A BUR OF LAND	MGTBOISE	IDAHO	83707
KIFFMANN HELMUT D	25262 MAIN SAIL DR	DANA POINT	CA	92629	MAKARA FRANK R	29 ORANGE DRIVE	JERICKO	NEW YORK	11753
KILJANCZYK CHARLES J	PO BOX 648	LEWISTON	IDAHO	83501	MALCOLM JAMES W	STAR ROUTE	MAHONNEN	MINN	56557
KIMPTON DAVID R	SALMON NATL FOREST	SALMON	ID	83467	MALHOTRA DES R	MALHATRAS ST JAMMU	IKASHMIR	INDIA	
KIMPTON LLOYD G	1815 S ASH PARK LN	BOISE	IDAHO	83705	MALLET JERRY L	600 S WALNUT	BOISE	IDAHO	83703
KIMSEY DWIGHT W	S C 5	WINNEMUCCA	NEVADA	89445	MALLOY WALTER A	PO BOX 284	KAMIAH	IDAHO	83536
KINDLE FREDRIC J	1104 THEO WAY	SACRAMENTO	CALIF	95822	MALONEY RALPH B	4401 N RUBY ST	SCHILLER PK	ILL	60176
KINDSCHY ROBERT R JR	BOX 306 BLM	VALE	OREGON	97918	MALSED DAVID E		PALOUSE	WASH	99161
KING JAMES E	ROUTE 3 BOX 124	CENTRALIA	WASH	98531	MANN PAUL T	105 WATER STREET	SEVILLE	CHIO	44273
KING MALCOLM D	RT #1 BOX 129	UKIAH	CALIF	95482	MANNING JOHN E	RM 4092 STATE BLDG	FRESNO	CALIF	93700
KING MAX R	U S FS PO BLDG	ELKO	NEVADA	89601	MAPLE DA ROBERT	353 CRESCENT DRIVE	SYCAMORE	ILLINOIS	60178
KINKLEND CHARLES R	2504 DAVIS ST	BOISE	IDAHO	83702	MARCH MAURICE W	IDA STATE OFFIC	BLMBOISE	IDAHO	83702
KIPP HENRY W	ROCKY BOY ROUTE	BOX ELDER	MONT	59521	MARCH RICHARD M		LINCOLNVILLEME		04849
KIRKPATRICK ROBERT JR	P O BOX 2289	SALEM	OREGON	97308	MARCHAND LEONARD S	45 BAYSHORE DR #11	OTTAWA 14	ONTARIO	
KIZER RALPH D JR	KANIKSU FOR SUP	SANDPOINT	ID	83864	MARCUSON PATRICK E	MONT FISH & GAME	RED LODGE	MONT	59068
KLASON RICHARD P	2522 WESTFIRE CIRC	LAKE UTAH	UTAH	84119	MARR GALEN R	BOX 104	WHISKEYTON	CALIF	96095
KLEINER DONALD	2522 WESTFIRE CIRC	LAKE UTAH	UTAH	84119	MARR WILLIAM F	1430 BRYDEN DRIVE	TWIN FALLS	IDAHO	83401
KLEIN DAVID S	2522 WESTFIRE CIRC	LAKE UTAH	UTAH	84119	MARRON JAMES B	1800 SECOND ST	SUSANVILLE	CALIF	96130
KLEIN CARLOS G	KALISPELL LUMPER	COKALISPELL	MONTANA	59901	MARSHALL MARVIN M	103 OAK ST	ELKINS	WEST VA	26241
KLEINER ROBERT H	487 PROGRESS AVE	WATERLOO	IOWA	50701	MARTIN DONALD R	BLM PO BOX 1139	COOS BAY	ORE	97420
KLOPFENSTEIN LARRY W	W 218 36TH	SPOKANE	WASH	99203	MARTIN DOUGLAS M	BUR OF LAND MGMT	COOS BAY	ORE	97420
KNOEPP WILLIAM P	LAKE ARROWHEAD RGR	SKY FOREST	CALIF	92385	MARTIN GLENN F	BUREAU OF LAND MGMT	SANFORD	ARIZ	85546
KNOERR KENNETH R	KO 288	NEW HEADONS	IDAHO	83654	MARTIN JACK M	3470 10TH	BAKER	OREGON	97814
KNUTHSON THOMAS M	DUKE UNIV SCH FOR	DURHAM	N C	27706	MARTIN RONALD G	322 12TH	ST MARIES	IDAHO	83861
KNUTSON DAVID C	155 CORDOVA	JUNEAU	AK	99801	MARTIN STEPHEN T	106 E 27TH ST	CHEYENNE	WYO	82001
KOCH CHRISTIAN B	7300 132 AVE NE	KIRKLAND	WASH	98033	MARTIN WARREN L	1255 SO OGDEN	DENVER	COLORADO	80210
KOKKO GEORGE K	506 LEWIS ST	MORGANTOWN	W VA	26505	MARTINSEN CHARLES F	C/O BOX 477	BLAINE	WASH	98230
KOLAR FRANCIS L	1005 OAK	NEGANNEE	MICHIGAN	49866	MARYOTT GLENN A	USFS COLVILLE DIST	COLVILLE	WASH	99114
KOPPE HERMAN M	21901 53W	MOUNTLAKE TRWASH	WA	98043	MATHESON LELAND A	BOX 43 ROUTE 1	FIRTH	IDAHO	83236
KOSKELLA HOWARD R	136 MESA VISTA DR	BOISE	IDAHO	83705	MATHIS DAVID O	BLM	VALE	OREGON	97918
KOTTKEY ROBERT H	FIRE OFF PAYETTE	NFMCCALL	IDAHO	83638	MATTHEWS DARREL I	345 S BRIDGE ST	ST ANTHONY	IDAHO	83445
KOWZAN JOHN P	RR #1 BOX 52A	DU QUAIN	ILLINOIS	62832	MATTHEWS FRED W	CO COMMUN COLLEGE	REND	ORE	97701
KOZURA JOHN R	P O BOX 484	MORRISVILLE	N Y	13408	MATTOX JAMES E	5111 B WALNUT	GREAT FALLS	MONT	59401
KRAEMER DR J HUGO	PO BOX 371	PERU	NEW YORK	12972	MATZKE VANCE G	1744 PETERSON AVE	MISSOULA	MONT	59801
KRAJEWSKI RICHARD W	2215 E WYLLYS CT	MIDLAND	MICH	48640	MATZNER FRED T	600 SANSONE ST	SAN FRAN	CALIF	94111
KRAMER JIMMY D		STARLETON	ND	58163	MAUL DAVID C	1640 WILLOW LANE	TWIN FALLS	IDAHO	83401
KRANTZ WILLIAM C	735 E 11TH ST	IDAHO FALLS	IDAHO	83401	MAUPIN LARRY S	FORESTRY U OF IDAHO	MOSCOW	IDAHO	83843
KRIER JOHN P	403 WHITAKER DRIVE	MISSOULA	MONT	59801	MAUSER GREGG R	FORESTRY SCI LAB	ATHENS	GA	30601
KRINARD ROGER M	DELTA BRANCH EXP	STSTONEVILLE	MISS	38776	MC ALISTER ROBERT H	PAC NW FOR EXP STA	WENATCHEE	WASH	98801
KRUEGER OTTO C	PO BOX 3227 B L M	SALEM	ORE	97302	MC CONNELL BURT R	712 TYLER ST	TEMPE	ARIZONA	85281
KRUMMES WILLIAM T	BUR SPT FISH & WLD	FALBUQUERQUE	N M	87101	MC CULLOCH CLAY Y JR	PO BOX 571	CORVALLIS	OREGON	97330
KUCK LONN E	IDA FISH & GAME	SALMON	IDAHO	83467	MC MAHON ROBERT O	12880 SW 121ST	TIGARD	OREGON	97223
KUEHNER ROY C	U S F 5	CREEDE	COLO	81130	MCCARTHR ORVILLE B	719 N 4TH AVE	SANDPOINT	IDA	83864
KUENNEN LOUIS J	1643 S 12TH ST	MISSOULA	MONT	59801	MCCARTHR WILLIAM L	U WASH GRAD SCHOOL	SEATTLE	WASH	98105
KUKUCHKA KARL K JR	BOX 139	RANCHESTER	WY	82839	MCCARTHY JOSEPH	PACIFIC P & L	CENTRALIA	WASH	98531
KYLE ALLAN D	310 HAMILTON ST I	ROME	NY	13440	MCCARTHY RICHARD	10439 E DEVERON	WHITTIER	CA	90601
KYTONEN AL E	2304 11TH AVE	LEWISTON	IDAHO	83501	MCCLELLIN JAMES F	BOX 328	NESPELEM	WASH	99155
LACHER THEODORE V	2482 JOINER COURT	DECATUR	GA	30033	MCCLELLIN LEE P	RT 1 BOX 307M	COEUR DALENE	IDAHO	83841
LACY THOMAS F	1832 VINEWOOD BLVD	ANN ARBOR	MICH	48104	MCCONNELL ARTHUR J	1504 NW 6TH ST	GRANTS PASS	OREGON	97526
LADLE JOSEPH W	BOX 292	SALMON	IDAHO	83467	MCCOOL STEPHEN F	13672 HEWES AVENUE	SANTA ANA	CALIF	92705
LAFFERTY GEORGE E	3009 SUNSET DRIVE	GOLDEN	COLO	80401	MCCORMICK CHESTER A	BOX 626	LEWISTON	IDAHO	83501
LAGE CLARENCE L JR	RT 2 BOX 135	KAMIAH	IDAHO	83536	MCCORMICK HENRY F	107 ST HELENS PLACE	BEND	ORE	97701
LAMPE CHRIS J	107 FOSTER AVE	SAYVILLE	N Y	11782	MCCRILLIS CARL P	BLM DIV RANGE USDI	WASHINGTON	D C	20242
LANCE GILBERT W	RR #3	PONCA	ALBERTA		MCCULLOUGH DEARL E	821 WAINE AVE WEST	TWIN FALLS	IDAHO	83401
LAND HENRY C JR	RR #1 BOX 536	FORT BRAGG	CALIF	95437	MCCUNNOLD STEPHEN E	1410 VISTA AVENUE	LEWISTON	IDAHO	83501
LANGDON OWEN G	USFS 334 MEETING	CHARLESTON	S C	29403	MCCURRY HAROLD R	1329 E 2500 N	NEW MEADOWS	IDAHO	83654
LANGR KATH D	1269 LENEVAR DR	CHARLESTON	S C	29407	MCFREDERICK JACK W	BOX 248	MIDDLETON	IDAHO	83644
LANNAN ROBERT J JR	312 E SPRUCE ST	SALT ST MARIETTE	CRE	97303	MCGRATH CHAD L		QUEENSTON	CRESNTLONDON	ONTARIO
LARSEN ALBERT T	4898 CARMEN AVE N	SALEM	ORE	97303	MCGRATH PATRICK J	BOX 195	BURLEY	IDAHO	83318
LARSON DONALD S		CUSICK	WASH	99119	MCKAHAN JAMES H	722 EMPIRE AVENUE	CCOEUR DALENE	IDAHO	83814
LARSON LESLIE L		WESTMINSTER	MASS	01473	MCKENDRICK JAY D	NORTHGATE 158 RT 2	LIBERTY	MO	64068
LASAN ARDU H	PO BOX 122	BAUCHI	NIGERIA		MCLAUGHLIN RAYMOND P	USFS BOX 1628	JUNEAU	ALASKA	99801
LATHEN CLIFFORD F	PMB 12	MOSCOW	IDAHO	83843	MCLAUGHLIN ROBERT P	60630 LATHEN TRAIL	JOSHUA TREE	CALIF	92252
LATHROP ROBERT G	524 RIDGE ROAD	MOSCOW	IDAHO	83843	MCLEAN LARRY S	COL OF FOR U OF I	MOSCOW	IDAHO	83843
LAUER JERRY L	BLM	UKIAH	CALIF	95482	MCMANAMON DONALD R	ROUTE #1	PROFINDO	IDAHO	83544
LAUMEYER PHILIP H	ROUTE 2 BOX 194	PARMA	IDAHO	83660	MCMELLAN WILLIAM S	N 3916 CANNON	SPOKANE	WASH	99205
LAURENT THOMAS H	26 2ND AVE SW	LONG PRAIRIEMN		56347	MCMNAMARA WILLIAM S	UNIV OF MASS	AMHERST	MASS	01002
LAVEN EDWARD E	210 ADMIRAL WAY	JUNEAU	ALASKA	99801	MCMNAUGHTON FINLEY H	3816 HOWARD ST	ANNADALE	VA	22003
LAWSON JOHN F	104 LEGGET	DILLON	MONT	59725	MCEILL GARY R	207 BLAINE ST	NAMPA	IDAHO	83651
LEA GEORGE D JR	2159 ARTHUR	KLAMATH FLLSORE		97601	MEDFORD RUDOL L	BOX 393	TONASKET	WASH	98855
LEACH HOMER P	4515 QUALITY ST	FAIRFAX	VA	22030	METSNER GARY E	145 J THAIN RD	LEWISTON	IDAHO	83501
LEACH TED	PO BOX 247	DEATH VALLEY	CALIF	92328	MELLIN DAVID RAY	908 MADISON	TWIN FALLS	IDAHO	83301
LEAVELL WILLIAM G	EMORY HALL LOGGING	ELK RIVER	IDAHO	83827	MENELY JAMES F	121 8TH AVE E	KALISPELL	MONT	59901
LEBARON RUSSELL K	1241 EL SUR WAY	SACRAMENTO	CALIF	95824	MERANDA JOHN W	116 11TH AVE	LEWISTON	ID	83501
LEE BRUCE R	-1001 1415 VICTORIA	HONOLULU	HAWAII	96822	MERRICK CONRAD G	345 MIDDLEFIELD RD	MENLO PARK	CALIF	94025
LEE GEORGE E	101 POSHARD ST	PLEASANT HILCALIF		94523	MESKE THEODORE A	RTE 2 BOX 261	SPRINGFIELD	MO	65802
LEE THOMAS A	FBI	PHILADELPHIA	PA	19407	MESSICK JOHN P	BOX 112	UNITY	OREGON	97884
LEFEBVRE JOHN P	RT 1 BOX 3	KAMIAH	IDAHO	83536	METLEN ROBERT	NEZ PERCE NF	GRANGEVILLE	IDAHO	83530
LEFEBVRE JOHN P	WEYERHAEUSER	SNOQUALM FALWASH		98066	Meyer Ralph O	BOX 127	HINES	OREGON	97738
LEHRER WILLIAM P JR	CARNATION BUILDING	LOS ANGELES	CALIF		MILLER CHARLES I	1321 SUNSET LANE	W LAFAYETTE	IND	47906
LENON JCN D	12915 63 AVENUE	EDMONTON	ALBERTA		MILLER DANIEL L	403 COLLEGE 10	MOSCOW	IDAHO	83843
LENT GARY L	ROUTE #2	BLACKFOOT	IDAHO	83221	MILLER DOUGLAS R	107 NOVA DRIVE	PIEDMONT 10	CALIF	94611
LENZ BERNARD L	3778 SCHNEIDER ROAD	TOLEDO	OHIO	43614	MILLER LIONEL P	C/O W C POST	BUHL	IDAHO	83316
LEONARD CECIL E	322 MARION AVENUE	SANDPOINT	IDAHO	83864	MILLER LOREN E	72 LAKE FLOWER AVE	SARANAC LAKEN Y		12983
LEVSON CLAIRE E	122 W 4TH AVE	CHEYENNE	WYO	82001	MILLER RAY A	STATE FORESTRY DEPT	ROSE	IDAHO	83702
LEVY SEYMOUR H	RR #9 BOX 960	TUCSON	ARIZONA	85724	MILLER SPENCER R	1607 FOURTH AVE	LEAVENWORTH	KAN	66048
LEYMASTER GARY M	BOX 2032	WILLIAMS	AFBAR	83843	MILLER THOMAS B	2929 LILAC ST	LONGVIEW	WA	98632
LIBSTAFF ELDON D	EVERGREEN TRLR	PARKMOSCOW	IDAHO	83843	MILLER WILLIAM B	BOX 308	SILVER CITY	N MEXICO	88061
LIEURANCE MAXWELL T JM	BUR LAND MANAGEMENT	VALE	OREGON	97918	MILLER WILLIAM H	RTE 1 BOX 154	DILLON	MT	59725
LIEURANCE ROBERT E	BUR LAND MANAGEMENT	VALE	OREGON	97918	MINKS WENGEL D	562 N WAVERLY	ORANGE	CALIF	92667
LIEVSAY LARRY R	2822 N 32ND ST	BOISE	IDAHO	83703	MINTOR ROBERT F	706 1/2 HARRISON	MOSCOW	IDAHO	83843
LIGHT JEROME T JR	10228 GAUL WAY	SPRING VALLEY	CALIF	92077	MITCHELL ROBERT C	BOX 786	MARSHING	IDAHO	83639
LINCOLN JAMES P	ST JOE NATL FOREST	ST MARIES	IDAHO	83861	MITCHELL WALTER P	RT 1 BOX 152-C	WILLOWS	CALIF	95988
LINDBERG RALPH D	442 CEDAR CREST #7	WISHAWAKA	IND	46544	MIZUKI JAMES H	5414 23RD AVE 50	SEATTLE	WASH	98108
LINDSAY CLIVE J	1550 CONANT AVE	BURLEY	IDAHO	83318	MOE LARRY G	645 SO ELM	HURDISFIELD	N DAKOTA	58451
LINDSTROM THOMAS C	105 N ENGLAND #G-2	SUMMIT	N J	07901	MOLBERG JOHN N	809 BRANDER ST	BOTTINEAU	N D	58138
LITTLE DAVID L	1706 SOUTH LATAH	BOISE	IDAHO	83705	MONDICH PETER L	BOX 51	METALINE	FLSWASH	99153
LLOYD RUSSELL D	RESEARCH U S F S	WASH	D C	20251	MONELL BRUCE H				

MORGANROTH EARL S	1627 SUNSET	SEATTLE WASH	98116	PINHEIRO JAYME V	HORTO FLOR RIOCLARDEST S PAULO BRAZIL		
MORROW WILLIAM J	RT 2 BOX 46	COEUR DALENEIDAHO	83814	PISTORIUS DARREL G	1024 BANCROFT	COEUR DALENEIDAHO	83814
MORSE RICHARD N	CAL WESTERN UNIV	SAN DIEGO CALIF	92106	PITKIN FRANKLIN H	UNIV OF IDAHO	MOSCOW IDAHO	83843
MORTON ALLEN D	USFS	RAWLINS WYO	82301	PIZEL ROBERT E	CREEDE RGR DIST	CREEDE COLORADO	81130
MOUNTJOY JAMES T	1614 SOUTH 120	TACOMA WASH	98444	PLATZ BOBBIE J	902 INDIAN DRIVE	OLYMPIA WA	98501
MUEGLER WALTER F	INT F&RES MSC	BOZEMAN MONT	59715	PLAYFAIR ROBERT L	BOX 1226	CROW AGENCY MONT	59022
MUELLER WALDEMAR	BOX 164	DUBUOIS IDAHO	83423	PLYWALE GARVIN V	34052 51ST AVE S	ABURN WA	98002
MUMFEE BEATRICE	5717 S HILLS DR	MADISON WISC	53705	POLLARD ROBERT A	6521 BUTTE	BOISE IDAHO	83704
MURDER GREG L	625 EAST 17TH	IDAHO FALLS IDAHO	83401	PORTER DONALD B		BRINGTON INDIANA	47077
MURDOCK LOWELL S	ROUTE 3	MERIDIAN IDAHO	83642	POTTER DALE H	10445 RAINIER AVE	SEATTLE WASH	98178
MURPHY BERNARD C	RT 3 BOX 176A	DEER PARK WASH	99006	POTTER GRANT B	BOX 305	DINUBA CALIF	93618
MYERS EDWARD D	PO BOX 154	MINIER ILLINOIS	61759	POTTER JOSEPH A	629 N SHERIDAN	WAUKEGAN ILL	
MYERS ROBERT L	P O BOX 134	DOSWELL VIRGINIA	23047	POULTON CHARLES	OREGON STATE UNIV	CORVALLIS OREGON	97331
MYSTER THOMAS W	517 NORTH 6TH ST	BISMARCK N D	58501	POWERS RICHARD L	ROUTE 1 BOX 150	JUNEAU ALASKA	99801
NAAB WALTER P	2801 S 15TH ST	SHEBOYGAN WISC	53081	PRATER JAMES D	CROWN ZELLER CORP	CATHLAMET WA	98612
NADEAU LEON R	14309 SE ALDER ST	PORTLAND OREGON	97233	PRATT ALLY RAY	407 CREST DR	PAPILLION NB	68046
NAUGHTON VINCENT J	109 E ALDER	ENTERPRISE OREGON	97828	PRESBY RICHARD C	USFS FEDERAL BLDG	MISSOULA MT	59801
NEAL RICHARD H	CROWN ZELLERBACH	CATHLAMET WA	98612	PRICE ELWIN H	BUREAU OF LAND MGMTLCO	NEVADA	89801
NEEF THEODORE C	1101 N 16TH ST	BOISE IDAHO	83702	PRICE GORDON J	1119 S HAYES	MOSCOW IDAHO	83843
NEGLAY STANFORD B	3003 SUNSET AVE	BOISE IDAHO	83703	PRIDMORE DONALD C	BOX 22	RICHFIELD IDAHO	83349
NEGUS FREDRICK L	BOX 323	HINES OREGON	97738	PRINGLE WILLIAM L	CANADA EXPT STATION	BEAVERLEDGE ALTA	
NELLIS CARL H	C/O O M MOHNEY	HAVILAND KANSAS	67059	PRITCHETT JOHN A	ROUTE 1 BOX 173	MOSCOW IDAHO	83843
NELSON ARTHUR W	170 MAGNOLIA AVE	GLENDALE OHIO	45246	PROCOPIO RICHARD D	BOX 319	SUPERIOR MONT	59872
NELSON DEVON O	413 IDAHO ST	BOISE IDAHO	83702	PUGH LAWRENCE R	831 COLLEGE AVE	ST MARIES IDAHO	83861
NELSON HARVEY F	301 S FERRY	MONROE WA	98272	PYKE RONALD W	1959 DIAMOND ST	SAN DIEGO CALIF	92109
NELSON JACK R	708 E 6TH	MOSCOW IDAHO	83843	PYRAH DUANE B	BOX 292	LEWISTOWN MONT	59457
NELSON LT JAG D G	1016 E 9TH ST	SHELTON IDAHO	51291	QUEEN MARVIN R	2716 NE 97TH	SEATTLE WASH	98115
NELSON WILBUR T	37 N 3RD WEST	ANCHORAGE ALASKA	99504	QUEENER GERRY V	ROUTE 1 BOX 75	MOSCOW IDAHO	83843
NERMOE PALMER J		UPHAM N DAKOTA	58789	QUESNEL CALTON C		SEBON IDAHO	83467
NERO EDWARD T	824 UPLAND DRIVE	SUNNYSIDE WASH	98944	QURESHI MUHAMMAD A	NE/1631 NEWAMARPURARWALPINDI	W PAK	
NESS DARWIN D	1193 RALEIGH	ST PAUL MINN	55108	RACELY GEORGE J	130 BIRCH RD	KALISPELL MONT	59901
NEW DOUGLAS W	326 PARK AVENUE	MULLAN IDAHO	83846	RAGAN REED E	IDAHO DRUG COMPANY	RIGBY IDAHO	83442
NEWCOMB LAWRENCE S	101 DARTMOUTH AVE	AVON EST GEORGIA	30002	RALEIGH ROBERT F	LIFE SCI PENN STATEUNIV PARK	PENN	16802
NEWCOMB RUSSELL L	USFS	NEW MEADOWS IDAHO	83654	RANDOLPH TERRY B	HEBER RANGER DIST	HEBER UTAH	84032
NEWCOMER FRED R	17760 OVERLOOK CIR	LAKE OSWEGO ORE	97034	RANKEL GARY LEE	31 OCEAN AVE	CTR MORICHESN V	11934
NEWELL MARVIN E	USFS	GARDEN VAL IDAHO	83622	RANKIN RICHARD W	1710 RIVERSIDE DR	S WILLIAMSPPTA	17701
NEWMAN RULON J	ROUTE 2	RIGBY IDAHO	83442	RATLIFF DONALD E	ROUTE 1 BOX 333	CORVALLIS ORE	97330
NEWMAN WILLIAM R	3138 FLORIDA	LONGVIEW WA	98632	RAUBACH ROBERT T	324 CHENAULT AVE	HOQUIAM WASH	98550
NICHOLSON DONALD A	C/O E P HEANEY	STERLING IDAHO	83278	RAVENS CROFT ALLAN B	BOX 5	TUTTLE IDA	83354
NICKLE DR WILLIAM R	USDA ARS CRD	BELTSVILLE MD	20705	RAVENS CROFT VERNON	1313 BIGHORN AVE	SHERIDAN WYO	82801
NIELSEN EUGENE P	7810 MARTIN WAY	OLYMPIA WASH	98501	RAWLINS WILLIAM J	637 S GRANT	POCATELLO IDAHO	83201
NIERMAN WENDELL P	1211 ORANGE	CONCORDIA MO	64020	REA ROBERT B	BOX 274	YACHTS ORE	97498
NIETZOLD GEORGE E	13600 W GRAHAM ST	NEW BERLIN WISC	53151	REAY DAVID B	BOX 131	HORSESHOE IDAHO	83629
NIGH JOHN W	ROUTE 1	WORLEY IDAHO	83876	REDEZKE KEITH A	R 2	GRANITE FALLS WASH	99114
NIRNAM-ASL	DEPT NAT RESOURCE	TEHERAN IRAN		REDMAN ELLIOT E	COLVILLE NF	COLVILLE WASH	99114
NIX ROBERT W	508 W 14TH	POST FALLS IDAHO	83854	REER MICHAEL C	PO BOX 909	SANPOINTE IDA	83864
NOBIS ROBERT S	916 FOSTER AVENUE	COEUR DALENEIDAHO	83814	REER ROBERT B	3738 GAKWOOD	RIVERSIDE CALIF	92506
NOBLE CLARK R	7701 ANNE CIRCLE	ANCHORAGE ALASKA	99504	REESE JERRY B	BOX 347	MOSCOW IDAHO	83418
NOBLE EDWARD L	2426 FILLMORE AVE	OGDEN UTAH	84401	REID GEORGE E	-1-142 ACACIA	NANAIMO B C CANADA	
NOKES DR HEHALD S	MCCALL MED CLINIC	MCCALL IDAHO	83638	REID RALPH R	115 W 24TH AVE	SPOKANE WASH	99203
NORD DR EMOR C	USFS PO BOX 5007	RIVERSIDE CALIF	92507	RENSHAW EMERA W	1022 S LYNN	MOSCOW IDAHO	83843
NORMAN C MONTGOMERY	11031 157 ST	EDMONTON ALBERTA	63701	RETTIG EDWIN C	1309 8TH AVE	LEWISTON IDAHO	83501
NORMAN DENNIS E	2850 LEAR DRIVE	CAPE GIRARDEMO	63701	REVELEY THOMAS L	1914 WAVERLY ST	PHILADELPH PA	19146
NUGUES BERNARD H	1 AVENUE DU CHATEAU	EMMETT IDA	83667	REYNOLDS GRAY D	CARIBOU NF	POCATELLO IDAHO	83201
OBERMEYER EDDY L	ROUTE 3 BOX 50	ASPEN COLORADO	81611	RICE RICHARD T	W 425 RIVERSIDE	SPOKANE WASH	99201
OBLOCK LOUIS W	820 DURANT STREET	WESTCHESTER IL	60153	RICHARDS HORACE JR	S 358 COEUR DALENE	SPOKANE WASH	99204
ODONNER GERALD W	5615 PAGEANTRY ST	LONG BEACH CALIF	90808	RICHELSON PAUL N	PO BOX 39	MONTPELLIER IDAHO	83254
ODOM FRANK L	10400 WINDSOR DR	TACOMA WASH	98400	RICHMOND ROBERT M	USFS TETON DIST	CHOTEAU MONTANA	59422
ODONNELL JAMES F	5615 PAGEANTRY ST	LOGAN UTAH	84321	RICKED JAMES W	2114 ELLIOTT ST	TOLEDO OHIO	43606
OGLE RICHARD A	AM PLYWOOD ASSOC	GARDEN VAL IDAHO	83622	RIEDEMAN HENRY W	BLM	BURLEY IDAHO	83318
OHS CHARLES A	UTAH STATE UNIV	JUNEAU ALASKA	99801	RINGDAHL JOHN N	9610 S 240TH	KENT WASH	98031
OJEN WAINE E	P O BOX 111	GLENN'S FERRY IDAHO	83623	RINGE RUDY R	ROUTE 4 BOX 270	MOSCOW IDAHO	83843
OLASO LOUIS B	BOX 391	BURBANK CALIF	91505	RISCH JAMES E	COUNTY COURTHOUSE	BOISE IDAHO	83702
OLSON HAROLD A	823 N FAIRVIEW	MISSOULA MONT	59801	RISSE WALTER M	SCS	KLAMATH FALLORS	97601
OLSON JACK D	EVANS PLYWOOD CORP	RICHLAND WASH	99352	RITCHE RFRNT W	ROUTE 2	MERIDIAN IDAHO	83642
OLSON RICHARD J	608 BLUE ST	WALLA WALLA WA	99362	ROBEL ROBERT J	KANSAS ST UNIV	MANHATTEN KAN	66502
ORPIT ROBERT S	201 STONE STREET	MOSCOW IDA	83843	ROBERTS HADLEY D	745 80ND ST	HENO ORE	97701
ORCUTT RICHARD R	413 S ASBURY 3	KAMIAH ID	83536	ROBERTS RALPH B	PO BOX 386	COUNCIL IDAHO	83612
ORME MARK LLOYD	P O BOX 405	EDGELEY ND	58433	ROBERTS ROBERT WM	P O BOX 242	SILVER LAKE OR	97638
ORMISTON JOHN H		BOISE IDAHO	83706	ROBERTSON DALE F	1803 AVENUE F	BILLINGS MONT	59102
OSBORN FORREST G	721 IOWA ST	MOSCOW ID	83843	ROBINETTE W LESLIE	WILDLIFE FED BLDG	ODENVEN COLO	80225
OSBORNE HAROLD L	USFS FOR SCI LAB	WINCHESTER ORE	97495	ROBINSON LOREN E	E 12721 12TH AVE	SPOKANE WASH	99216
OTTENFELD BRUCE B	BOX 76	FRESNO CALIF	93705	ROBINSON WALTER L	102 DIXIE LANE	LONGVIEW WASH	98632
OTTER FLOYD L	15 E DAYTON AVE	NEWPORT NEWSVA	23606	ROBISON THOMAS A	COLLEGE OF FOR	MOSCOW IDAHO	83843
OWEN ROBERT C	404 TROY DRIVE	BANGKOK THAILAND		ROCHE BEN F	WSU RANGE MGMT	PULLMAN WASH	99163
PACHOTIKARN SOMPHONG	ROYAL FOR DEPT	YOUNGSTOWN OHIO	44502	RODGERS JAMES G	BOX 35	CASTLE ROCK WASH	98611
PAGELER DONALD T	3200 LENOX AVE	RICHMOND CALIF	94804	RODGERS GEORGE L	1223 CULBERHOUSE	JONESBORO ARK	72401
PAINE LEE A	291 EAST 195 STREET	CLEVELAND OHIO	44119	ROMANS DOYLE M	PO BOX 343	W YELLOWSTONEMT	59758
PALISIN JAMES J	3904 VAN BUREN NE	ALBUQUERQUE N M	87110	ROO GEORGE A	2981 LAUREL RD	LONGVIEW WASH	98632
PALMER ALBERT N	BOX 499	SITKA ALASKA	99835	ROPER LAREN A	BOX 134	KREMILING COLO	80459
PARKER JAMES W	208 S STOUT	BLACKFOOT IDAHO	83221	ROSENKRANCE LESTER	2000 CURLEW DRIVE	IDAHO FALLS IDAHO	83401
PARKER JOHN K	1119-37TH	OGDEN UTAH	84403	ROSENTHAL JAMES J	24 COUCHMAN ST	ROCHESTER 17N Y	14617
PARKER JOHN W	1126 W ST ANDREWS	SANTA ANA CA	92707	ROSINE PHILIP E	ROUTE 3	GALESBURG ILLINOIS	61401
PARKIN RICHARD D	18 CLOVERHILL PARK	N IRELAND		ROSS CULVER D	1383 3RD	OGDEN UTAH	84404
PARKIN KENNETH F	USFS	NEW MEADOWS IDAHO	83654	ROSEN ROBERT A	USFS FOR SUPERVISOR	RENO NEVADA	89501
PARKS HOMER W	RT 1 BOX 38	PRIEST RIV IDAHO	83856	ROWLAND HARVEY C	3111 KEOKUK	RUTTE MONTANA	59701
PARSON WILLIAM J	ROUTE 1	DALLAS PENN	18612	ROWLES JAMES L	916 E 8TH	ELLENSBURG WASH	98926
PARSONS DAVID E	BOX 666	PORT DRFDOR OREGON	97465	RUBRECHT G KELLER	4321 SAUGUS AVE	SHERMAN OAKSCAL	91403
PARSONS DONALD D		DEARY IDAHO	83823	RUMPS JOHN J	315 DIXON AVE	BAKERSFIELD CALIF	93304
PARSONS PATRICK J	418 SONNY ST	BLACKFOOT IDAHO	83221	RUPERS BARBARA L	RFD	E BALDWIN ME	04024
PASSMORE ROBERT W	7806 6TH AVE NW	SEATTLE WASH	98107	RUPERS THOMAS W	RFD	E BALDWIN ME	04024
PATRIE CARTHON R	33 CEDAR LAKE W	DENVILLE NJ	07834	RUSHER ROBERT H	111 OCEAN ST	HYANNIS MASS	02601
PATTERSON RICHARD A	UNIV OF WISCONSIN	MADISON WISC	53706	SACHECK WILLIAM A	6711 MINK PLACE	ANCHORAGE ALASKA	99504
PATTON ROBERT F	620 FIRST ST	HOQUIAM WASH	98550	SACHS DEAN M	PO BOX 347	ELKO NEVADA	89801
PAYNE GENE F	ANIMAL SCIENCE MSU	BOZEMAN MONTANA	59715	SAJOR VALENTIN	97 KANLON ST	QUEZON CITY PHIL IS	
PEARSON DAVID B	4321 FORTUNA WAY	SALT LAKE CYUTAH	84117	SALING WALLACE M	397 EAST 3RD SOUTH	PLEASANT GRVUTAH	84062
PEARSON MARSHALL P	SWAN LK RANGER STA	BIGFORK MONT	59911	SANDMEYER JOHN D	2608 LEWIS AVE	BILLINGS MONT	59102
PECHANEC JOSEPH F	3129 POLK AVE	OGDEN UTAH	84403	SARGEANT HOWARD J	5242 SW NEBRAS 15	PORTLAND ORE	97221
PECK CHARLES S	BOX 236	FAIRFIELD NEBRASKA	68938	SAUSELEN HENRY G	SOIL CNS SERVICE	MULLICA HILLN J	
PEDERSON WILLIAM L	BOX 223	CLARK FORK IDAHO	83811	SAVARIA EDWARD D	PO BOX 433	SHOSHONE IDAHO	83252
PELLERIN ROY F	2003 CLIFFORD	PULLMAN WASH	99163	SAXMAN DONALD R JR	POST OFFICE	FAIRFIELD IDAHO	83327
PENCE DAN T	CLAYTON RANGER STA	CLAYTON IDAHO	83227	SCHAEFER RICHARD M	1340 BIRCH	LEWISTON IDAHO	83501
PENCE FRED C	BRIDGEPORT R S	BRIDGEPORT CALIF	93515	SCHELD ROBERT S	BUHL	BUHL IDAHO	83316
PENCE LEWIS L	501L CONSERV SER	POCATELLO IDAHO	83201	SCHERWERHORN H B	AUSABLE CHSMNEW YORK	12911	
PENCE NED N	420 MAPLE	EMMETT IDAHO	83617	SCHLATTERER EDWARD F	PO BOX 1084	LEWISTOWN MONT	59457
PENNEY JOHN G	BOX 168	CLYMPIA WASH	98501	SCHMIDT ROBERT S	250 JANNEY LANE	MEDFORD OREGON	97501
PEREIRA RONALDO A	5A0J05A12PIRACABASAO	BOZEMAN MONT	59715	SCHMIDT WILLIAM T JR	C/O A TULROUS PT 1	MARLOW OKLAHOMA	73055
PEREZ GERALD S	INT FOR EXP STA	BOZEMAN MONT	59715	SCHMITT DAVID W	4112 SO LEE	SPOKANE WASH	99203
PEREZ RONALD C	41 PLYMOUTH ST	MONTCLAIR N J	07042	SCHMITT ROBERT W	1120 S 1ST	MESA ARIZ	85201
PETERSEN ARTHUR J	5811 OBERLIN	SEATTLE WASH	98105	SCHNEIDER WILLIAM E	WEYERHAEUSER CO	COSMOPOLIS WA	98537
PETERSEN LEROY R	2301 HWY 41	STURTEVANT WISC	53177	SCHNEIDER TERRY W	1955 1/2 FRACKLETONSHERIDAN	WYOMING	82801
PETERSON UGAND E	U S FOREST SERVICE	NEW MEADOWS IDAHO	83654	SCHOFFER FRANKLIN A	ROUTE 3 BOX 126	MOSCOW IDAHO	83843
PETZAK WILLIAM J	502 N BOYER	SANDPOINT IDAHO	83864	SCHOFIELD WILLIAM	915 NELSON ST	ALBANY CALIF	94706
PHILLIP RICHARD	IDA DEPT PUB LGS	SANDPOINT IDAHO	83864	SCHOLTER GERALD C	ROUTE 1 BOX 113	GRANGEVILLE IDA	83530
PHILLIPS THOMAS V	CLEARWATER NAT FOR	OROFINO IDAHO	83544	SCHOLTES JOHN R	505 E FRANKLIN AVE	BEND ORE	97701
PICKELL WILLIAM L	BOX 37 STAR RTE	SUPERIOR MONT	59872	SCHONHOFF MICHAEL J	19101 GEORGIA AVE	BROOKVILLE MO	20729
PIEPER REX D	ROUTE 4 BOX 53	HOQUIAM WASH	98550	SCHROEN ROBERT L	U S FOREST SERVICE	WELLINGTON NEVADA	89444
PIERSON WALTER W	N M STATE UNIV	LAS CRUCES N MEXICO	88001	SCHROEDER HERBERT A	OREGON FOR RES CTR	CORVALLIS ORE	97330
	USFS FALLON DIST	FALLON NEVADA	89406	SCHULDT ALDEN T	BOX 207	JACKSON WYO	83001

SCHULTZ EDWARD L	ROUTE #2	COLFAX	WASH	99111	SWANSON CLIFFORD L	P O BOX 91	TROY	IDAHO	83871	
SCHULZE VERNON R	BLM PO BOX 37	PRINEVILLE	OREGON	97754	SWANSON ROBERT E	PAYNE ROAD	IDAHO FALLS	IDAHO	83401	
SCHUMAKER JOHN R		HAMILTON	MT	59840	SWAYNE ALLEN P	430 PENN AVE	ETOWAH	TENN	37331	
SCHUSTER KENNETH B	1587 WOODLAND AVE	PALO ALTO	CALIF	94303	SWEET DONALD H	BOX 428 BLM	COEUR DALENE	IDAHO	83814	
SCHUTTE JACK	1145 NORTH 5TH	COOS BAY	OREGON	97420	SWENSON ROBERT E	168 BANNOCK ST	MALAD	IDAHO	83252	
SCHWAB JOHN R	201 N SUMMIT ST	TONKAWA	OKLAHOMA	74653	TAGAWA TOM K	LGNR 530 S HOTEL	STHONOLULU	HA	96813	
SCHWABEL WARREN M	2709 ALLVIEW WY	BELMONT	CALIF	94002	TALBOY DEAN W	738 HILLCREST WAY	REDWOOD CITY	CALIF	94062	
SCOTT DAVID F	1615 CONTINENTAL	STREDDING	CALIF	96001	TALLEY MICHAEL L	136 PRIMROSE	TWIN FALLS	IDAHO	83301	
SCRIBNER WILLIAM A	6907 HUMMEL DRIVE	BOISE	IDAHO	83705	TAMM RD M	BOX 673	SMOUSHONE	IDAHO	83352	
SEABERG DAVID R	4522 N 71ST	MILWAUKEE	WISC	53218	TANK ROBERT E	FIRE CONTROL BLM	IDAHO FALLS	IDAHO	83401	
SEALE ROBERT H	804 E 7TH ST	MOSCOW	IDAHO	83843	TANNEHILL JACK J	511 SE WOODWARD	ROSEBURG	OR	97470	
SEARS JAMES Z	HINES LUMBER CO	WESTFIR	OR	97492	TANNER DALE L	2017 POWERS	LEWISTON	IDAHO	83501	
SEIDEL ROBERT L	US FOR SERVICE	PAISLEY	OR	97636	TAUBMAN JAMES H	FOREST SERVICE	WALHALLA	N D	58282	
SELLE DEWEY D	ROUTE 2	SANDPOINT	IDAHO	83864	TAYLOR ABB H	145 NE ASH ST	SHERIDAN	ORE	97378	
SELLERS VICTOR O	440 AQUILA COURT	OMAHA	NEB	68102	TAYLOR ERNEST H	3119 CAROLINA NE	ALBUQUERQUE	N M	87110	
SHARP ANDREW G	1640 PALISADES DR	APPLETON	WISC	54911	TAYLOR HARRY J JR	PO BOX 432	YREKA	CALIF	96097	
SHARPNACK DAVID A	718 SOUTH SCOVILLE	OAK PARK	ILLINOIS	60304	TAYLOR PETER W	2533 INGLEWOOD DR	BOISE	IDAHO	83705	
SHAW HARLEY G	RT 1 BOX 9108	FLAGSTAFF	ARIZ	86001	TAYLOR ROBERT E	US FOREST SERVICE	DARRINGTON	WA	98241	
SHAW ROLAND S	5140 PARKWOOD	BOISE	ID	83704	TAYLOR WILLIAM R	BOX 738	BROOKINGS	OREGON	97415	
SHAW WILLIAM H	960 VAN BUREN	OGDEN	UTAH	84404	TAYNTON ROGER	578 E 1700 N	GOEN	UTAH	84404	
SHEDD ROBERT L	RD 2 MUMFORD RD	HARPUKVILLE	WY	13787	TEILMANN HARRY A	305 SE 6TH	ENTERPRISE	ORE	97828	
SHELLEY WILLIAM D	BOX 355	EUREKA	MONTANA	59917	TEMPLE DONALD J	US FOREST SERVICE	HUNGRY HORSEMONT	UTAH	84501	
SHERRETS HAROLD D	RT 1	WAKARUSA	KAN	66546	TERRILL ROBERT B	MONTI-TA SAL N FOR	PRICE	UTAH	84501	
SHELOS MICHAEL D	N CASCADES NATL PK	MARBLEMOUNT	WA	98267	THACKABERRY JOSEPH J	6713 ASHLAND DRIVE	BOISE	IDAHO	83705	
SHIVELY ROBERT L	823 PENN AVE	COEUR DALENE	IDAHO		THACKER DALE S	290 N MAIN	KALISPELL	MONT	59901	
SHOEMAKER NEIL L	RT 1 BOX 15A	WEBSTER CITY	IOWA	50595	THALDORF LYNN H	BOX 114	BOISE	IDAHO	83701	
SHRINER DAVID S	5204 BOULDER RD	FFREDERICK	MD	21701	THIEMENS JIM D	WEYERHAEUSER CO	NORTH BEND	OREGON	97459	
SHYBERG SAUEL B	RTS 2 BOX 296A	COEUR DALENE	IDAHO	83814	THILKENS JOHN F	US FOR RGR EXPT	STARAPID CITY	S D	57701	
SIM JACK R	239 NE OUTLOOK AVE	GRANTS PASS	OREGON	97526	THOMAS GERALD W	3805 27TH	LUBBOCK	TEXAS	79409	
SIMMONS CHARLES F	PO BOX 3737	PORTLAND	ORE	97208	THOMAS HARMED L	RT 1 WEST HWAY 20	BOISE	IDAHO	83702	
SIMMONS CHARLES H	RT 1 BOX 527	OCOMONDOWOC	WI	53066	THOMAS JAMES E	BOX 692	BOVILL	ID	83806	
SIMMONS CLAIRE A	926 EMMA AVENUE	COEUR DALENE	IDAHO	83814	THOMPSON ALLEN R	2906 MADISON	BOISE	IDAHO	83703	
SINDELAR BRIAN W		BALLENTEINE	MONTANA		THOMPSON ERNEST L	3124 CAROLINA NE	ALBUQUERQUE	N M	87110	
SINGLEY JAMES A	3235 ALLISON ST	WHEAT RIDGE	COLO	80033	THOMPSON WILLIAM M	401 S WASHINGTON	CENTRALIA	WASH	98351	
SIPCO ERIC T	27 N WESTVIEW AVE	FEASTERVILLE	NEB	19047	THOMPSON JAMES L	413 IDAHO ST	BOISE	IDAHO	83702	
SKAR ROLF G	405 LOCH LAMOND DR	BAKERSFIELD	CALIF	93304	THOMSON HAROLD K	15 EAST 4TH AVENUE	EMPORIA	KANSAS	66801	
SKJEIE ELMER	345 MIDDLEFIELD RD	MENLO PARK	CALIF	94025	THORNBERR MERRILL S	RT 1 BOX 121	PARKER	COLO	80134	
SKOGLAND TERJE J	P O BOX 372	HAUGESUND	NORWAY		THRAPP HILTON	ROUTE 2 BOX 725	INDEPENDENCE	MO	64056	
SKOVLIN JON	PO BOX F	LA GRANDE	ORE	97850	THRUPP ADRIAN C	4032 NE 57TH ST	SEATTLE	WASH	98105	
SLUSHER EDWARD C	4005 MOUNT AVE	MISSOULA	MONT	59801	TIDD ROBERT L	BOX 126	SAN CARLOS	ARIZ	85550	
SMART ROBERT A JR	USFS COLVILLE NF	COLVILLE	WASH	99114	TIEDEMANN ROLAND K	134 DRAKE AVENUE	STATEN IS N Y		10314	
SMITH CAPT HENRY R	3605 STANFORD CIR	DECATUR	GA	30034	TILTON WILLIAM M	506 N GARFIELD	MOSCOW	IDAHO	83843	
SMITH CARY LEE	BOX 71	NEWPORT	WA	99156	TINSLEY SELDEN L	SCS	UPPER DARBY	PA	19084	
SMITH CHARLES WM	BOX 212	NEW MEADOWS	ID	83638	TIPPETTS VAUGHN	US FOREST SERVICE	PARIS	IDA	83261	
SMITH CLIFFORD L	PROSPECT RANGER	STAPROSPER	OREGON	97536	TIPPLE NICHOLAS E	RD #1	GHEENT	N Y	12075	
SMITH DWIGHT R	1301 STOVER	FORT COLLINS	COLO	80521	TKACH JOHN G	8806 WILLIA BR LA	ANNANDALE	VA	22003	
SMITH JERRY L	2241 WYOMING ST	BOISE	ID	83706	TOLMINSON NORMAN E	SILVER LAKE ROAD	NEWTOWN	PENN	18940	
SMITH LARALLE R	RTS 2 BOX 296A	COEUR DALENE	IDAHO	83814	TONSETH HENRY R	USFS	BEND	ORE	97701	
SMITH LAWRENCE O	KANIKSU NF BOX 29	SANDPOINT	IDAHO	83864	TOWN SHERMAN D	PO BOX 411	VALE	ORE	97918	
SMITH LAWRENCE R	SUNSHINE STAR RT	KELLOGG	IDAHO	83837	TOWNS WILLIAM L	620 PEACHTREE TRL	GATLANTA	GA	30323	
SMITH MERLIN	1215 JASPER AVE	OLYMPIA	WASH	98501	TOWNSEND LAURENCE G	IDA DEPT OF PARKS	BOISE	IDAHO	83707	
SMITH ROBERT LESLIE	ROUTE 4 BOX 341	MOSCOW	IDAHO	83843	TRANECK DAVID E	1626 CONANT AVE	BURLEY	ID	83318	
SMITH ROBERT M	810 MOTSIFF LANE	HELENA	MONT	59601	TROJANOWSKI CAPT JAMES	106 WOOD ST	PORTAGE	WIS	53901	
SMITH RUSSELL E	706 LINDEN AVE	LEWISTON	IDAHO	83501	TROJANOWSKI JOHN W	105 WOOD	PORTAGE	WISCONSIN	53901	
SMITH STANLEY G	3816 FRANKLIN ST	OMAHA	NEBRASKA	68111	TSCHANZ DONALD B	BOX 217	SHERIDAN	ORE	97378	
SMITHEY GARY G	SAWTOOTH NAT FOR	FAIRFIELD	IDAHO	83327	TURNER GEORGE T	1008 MEADOWBROOK	DRFORT	CLLINS	COLO	80521
SNOW ELVA A	815 FOSTER AVE	COEUR DALENE	IDAHO	83814	TWITCHELL L T	RIFC ROUTE 3	BOISE	IDAHO	83705	
SNYDER FREEMAN W	1209 CEDARHILL DR	EAST LANSING	MI	48823	UD-DIN ZAFAR	CONSERV OF FORESTS	BAHAWALPUR	P PAKISTN		
SODERBLOM JON E	621 LOGAN	BOISE	IDAHO	83702	ULLEVAALSETER REIDAR O	NORDMARKA	OSLO	NORWAY		
SOETH JAMES R	3215 RONA STREET	OAKLAND	CALIF	94601	UNDERWOOD ALAN B	DANIEL BOONE NF	WINCHESTER	VT	40931	
SOLBERG TERRY G	STEVENSVILLE RGR	STEVENSVILLE	MONT	59870	UNDERWOOD JOHN F	301 BOULDER ST	NEVADA CITY	CALIF	95959	
SOLT KENNETH E	1119 SPRINGER ROAD	OLYMPIA	WASH	98501	UNDERWOOD VERNON L	1707 SUNSET DRIVE	PACIFIC GROV	CALIF	93950	
SONNICHSEN RICHARD C	GPO BOX BT	SAN JUAN P RICO	PR	00936	UPSON U LAYTON	632 BASSWOOD	RICHLAND	WASH	99352	
SONDER ARTHUR M	1811 BENTLEY RD	SANDY SPRING	GA	20860	UPTON JAMES D	708 1/2 W 4TH	MEDFORD	OR	97501	
SONDER JAMES E	PO BOX 245	BERKELEY	CA	94701	VAIL DAVID B	5224 STATE ST	BOISE	IDAHO	83703	
SPACE JACKSON W	SANTA FE NAT'L FOR	GLORIETA	N M	87535	VAIL DELMAR D	5700 REINHOLD	FAIR OAKS	CA	95628	
SPACE JAMES C	US FOREST SERVICE	MISSOULA	MONT	59801	VAN LEAR DAVID H	401 CENTER ST	BEREA	KY	40403	
SPACE RALPH S	RIVERSIDE TRACTS	ORFING	IDAHO	83544	VANDENBURG JOHN S JR	BOX 292	RONNERS FRY	IDAHO	83805	
SPANOGLE BERNARD	BOX 593	PALISADES	IDAHO	83847	VANSANT RUSSELL H	SHERWIN WILLIAMS	COCHICAGO	ILL	60601	
SPECHT JOHN R	BOX 21	OSBURN	IDAHO	83849	VARS HARRY T	ROUTE 1	WHITEFISH	MONT	59937	
SPEEDY MAJOR ROBERT P	435 TULIP ST	FAIRFIELD	CALIF	94533	VARSEVELD FRANK R	973 GALE DRIVE	LADNER	B C		
SPENCER MARSHALL E	2507 KORUALE LANE	BOWIE	MD	20715	VENISHNICK JOSEPH C	402 S BOYER	SANDPOINT	IDAHO	83864	
SPENCER ROBERT W	BOX 502	ORFING	IDAHO	83544	VERDAL GUSTAV A	USFS	COEUR DALENE	IDAHO	83814	
SPETH JOHN W	4460 DURER PKW	SACRAMENTO	CALIF	95823	VERNER ROY S	USFS MONTICELLO RD	MONTICELLO	UTAH	84535	
SPINK LOUIS	5 Usher ROAD	PRINEVILLE	ORE	97754	VILKITTIS JAMES R	FORESTRY U OF MASS	AMHERST	MASS	01002	
SPINNEY CARLETON H	BOX 605	MEDFORD	SS MASS	02155	VINCENT DWAIN W	3417 CRESCENT RIM	BOISE	IDAHO	83704	
SPORES DAVID M	80X 432	HAMILTON	MONT	59840	VITGLINS AUGUSTS	RT 1	SALMON	IDAHO	83467	
SPORES WILLIAM R	BOX 432	BONNERS FRY	IDAHO	83805	VOGT HARRY A	SCS	MOSCOW	IDAHO	83843	
SPRINGER DONALD E	WALNUT ST	GENESEEE	IDAHO	83832	VON BARGEN JOHN H	1709 N LAKE MITCHEL	CADILLAC	MICH	49601	
STAAB THOMAS L	BOX 527	BAKER	OREGON	97814	VOSEN HAROLD C	STAR ROUTE	CLARK FORK	IDAHO	83511	
STANCER WILLIAM H	3690 CAMELLIA DR	SAN BERNARDINO	CA	92404	WALDRON HARVEY M	PO BOX 468	BEND	ORE	97701	
STANLEY LT COL WILFRED	19539 PIUMA AVE	CERRITOS	CALIF	90701	WALSH KRISTIAN L	404 W 24TH	SPOKANE	WASH	99203	
STANTON DON C	11 CHENEY ST	SPRINGVALE	ME	04083	WALKER ALFRED	USFS	TWIN FALLS	IDAHO	83301	
STAUBER ARTHUR E	1239 WICKS LANE	BILLINGS	MONTANA	59101	WALKLEY ROBERT B	510 FIFTH STREET	NELSON	B C		
STAUBER GERALD A	960 PATSY DRIVE	POCATELLO	IDAHO	83201	WALL HAROLD G	ROUTE 1 BOX 1	TAOS	N M	87571	
STAUBER RICHARD L	3074 N 550 EAST	NO OGDEN	UTAH	84403	WALLACE HOWARD A	1426 E BOWMAN ST	SOUTH BEND	INDIANA	46613	
STEARNS GORDON B	246 LACUESTA DRIVE	MENLO PARK	CALIF	94025	WALLACE WILLIAM B	7009 INDIANA	VANCOUVER	WASH	98664	
STEEL PAUL E	PO BOX 1306	ALBUQUERQUE N MEXICO		87103	WALTER JOHN S	BOX 764	BONNERS FRY	IDAHO	83805	
STEEL ROBERT W	P O BOX 552	MOSCOW	IDAHO	83843	WAMBOLT CARL L	COOP EXT SERV MSU	BOZEMAN	MONTANA	59715	
STEFFENSEN LESLIE M	2515 N 31ST	SPRINGFIELD	ORE	97477	WARD RAY L	BOX 1512	ALTURAS	CALIF	96101	
STEINHOFF RAPHAEL J	FOR SCI LAB BOX 469	MOSCOW	IDAHO	83843	WARD WALTER M	6541 28TH NE	SEATTLE	WASH	98155	
STELLWON DOUGLAS W	PO BOX 1197	COEUR DALENE	IDAHO	83814	WEATHERHEAD DONALD J	ROUTE 1 BOX 19	TROUT LAKE	WASH	98650	
STEMPER FOREST E	BOX 193	MT HOME	IDAHO	83647	WEBB ORRIN F	907 N OAK	GRANGEVILLE	IDAHO	83530	
STEPHENSON GOLDEN	530 SOUTH STATE	CLEARFIELD	UTAH	84015	WEDDLE ARTHUR J JR	5608 RICKEY RD	UKIAH	CALIF	95482	
STERE DAVID H	127 EAST BAY DR	NORTH BEND	OREGON	97459	WEGELEBEN HARRY	BOX 647	YAKIMA	WA	98902	
STEVENS COURTENAY E	US IMMIGRAT SERV	BLAINE	WASH	98230	WELKER WARREN G	DIST MGR BLM	ROOSEVELT	ARIZ	85545	
STEVENS DOUGLAS J	RT 5 GARRISON RD	WASHTABULA	OH	44004	WELKER LORIN J	1370 LARK CIR	PRIGE	UTAH	84501	
STICKNEY PETER F	USFS FED BLDG	MISSOULA	MONTANA	59801	WELLNER CHARLES A	117 PEASLEY ST	BOISE	IDAHO	83705	
STILLINGER JOHN R	3200 COLGATE	DALLAS	TEXAS	75225	WELLS WADE G II	BOX 647	MCCALL	IDAHO	83638	
STILWELL CLARENCE E	317 S SECOND AVE	SANDPOINT	IDAHO	83864	WENHOFF LESLIE S	MRS RONALD WENHOFF	COTTONWOOD	IDAHO	83522	
STOESSSEL STEPHEN A	537 GRANT ST	BERRENDORF	IOWA	52722	WENTWORTH IRVIN	2324 LOMA PRIETA	MENLO PARK	CA	94025	
STOLAAAS HOWARD L	4109 IDAHO ST	VANCOUVER	WASH	98661	WENZEL OTIS G	12505 E WELLESLEY	SPOKANE	WA	99216	
STONE RAYMOND W	3005 CARNEGIE DR	BOULDER	COLO	80302	WERNER LLOYD W	BLDG 4104 RM 211	FT LEONWOOD	CA	65473	
STOWASSER CLARENCE E	ROUTE 1 BOX 17	COEUR DALENE	IDAHO	83814	WEST WAYNE W	630 SANSOME ST	SAN FRAN	CALIF	94111	
STRATTON MERLE W	2203 SPRING ST	CHEHALIS	WASH	98532	WESTHAVER BARRY L	815 EAST 16TH ST	N VANCOUVER	B C		
STRATTON ROBERT D	527 11TH AVE E	OLYMPIA	WASH	98501	WETZEL BARTON O	FLATHEAD COUNTY	DIXON	MONTANA	59831	
STROBEL VINCENT	723 S PHELIPPI	BOISE	IDAHO	83705	WEYERHANS GEORGE F	13320 NW NORTHROP	PORTLAND	ORE	97229	
STROEBELE JERALD A	C/O F KEWORM RT 2	HAZELTON	IDAHO	63305	WHEATLEN THOMAS J	INTERNAT MGR PAPER	LONGVIEW	WA	98632	
STROSS RAYMOND	909 CLAY	ST CHARLES	MISSOURI	63301	WHITE RODGERS G	6609 N LAKE DR	WILWAUKEE	WISC	53217	
STROUP STANLEY W	3803 N SWISS ROAD	FLAGSTAFF	ARIZ	86001	WHITE HENRY A	60 SANTA RITA DRIVE	WALNUT CREEK	CALIF	94506	
STURM THOMAS D	3421 CLARENCE AVE	BERWYN	ILL	60402	WHITNEY CLARIDON D	655 NORTH 8TH ST	PAYETTE			

WILLIAMS EDGAR L	814 MAYBELLE	MOSCOW	IDAHO	83843	WOODRUFF SAMUEL A	587 FOX LANE	WORTHINGTON OHIO	43085
WILLIAMS ROGER M	2824 GRANDEE ST	BOISE	IDAHO	83700	WOODS PAUL T	92646 PALAICAI ST	EWA BEACH HAWAII	96706
WILLIAMS THOMAS R	550 W FORT ST RM435	BOISE	IDAHO	83702	WOOLWINE PHIL C	20 BUCHANAN DR	SAUSALITO CALIF	94965
WILLIAMSON DARRELL L	RT 1 BOX 9024	BEAUMONT	TEXAS	77706	WREN CHARLES C	3687 RICHBIAR CIR	NASHVILLE TENN	37211
WILLIAMSON REX P	4142 ROUND TOP DR	HONOLULU	HAWAII	96822	WRIGHT JONATHAN W	2034 YUMA TRAIL	OKEMOS MICHIGAN	48864
WILSON CARL C	P O BOX 5007	RIVERSIDE	CALIF		WYKERT PAUL V	217 W LUPITA RD	SANTA FE N M	87501
WILSON DENNIS C	84 MODEL AVE	HOPEWELL	N J	08525	WYLIE JAMES H	2411 GOVERNMENT WAY	COEUR D'ALENE IDAHO	83814
WILSON DONALD D	US FOREST SERVICE	OGDEN	UTAH	84400	WYLLIE JOSEPH A	1403 FRANKLIN	BOISE IDAHO	83702
WILSON GEORGE R	COEUR D'ALENE N F	COEUR D'ALENE	IDAHO	83814	YAKOVAC CARL S	BOX 871	SALMON IDAHO	83467
WILSON LOUIS R	ROUTE 1 RIVERVIEW	DROFIND	IDAHO	83544	YATES DONALD H	4827 FOREST AVE	MERCER ISLE WA	98040
WILSON ROY W	HOFF LUMBER CO	HORSESHO BND	IDAHO	83629	YEARY GLENN A	BOX 166	TWIN FALLS IDAHO	83301
WILSON THOMAS I	RT 1 BOX 538	SANPOINT	IDAHO	83864	YINGLING GLENN H	LINCOLN RANGER STA	LINCOLN MONT	59639
WINDLE JOHN C	RT 1	MELBA	IDAHO	83641	YINGST DONOVAN	9110 SW PINEBROCK	TIGARD ORE	97223
WINDLE LEAFORD C	1607 EDITH DR	BELEN	N M	87002	YODGER NORMAN W	1412 ALMOND ST	ST PAUL MINN	55108
WING LARRY D	ZOOL IOWA STATE U	AMES	IOWA	50010	YOST NATHAN L	ROUTE 1	BOISE IDAHO	83702
WINWARD ALMA H		CLIFTON	IDAHO	83228	YOUNG JOHN L	P O BOX 56	HINES ORE	97738
WISDOM HAROLD W	172 TAJUIL URB	MILARIO PIEDROS P	RICO		YOUNG LARRY	BLM	BOISE IDAHO	83702
WITTERS RANDALL L	2826 EAST WAY	REDDING	CALIF	96001	YOUNGBLOOD GLEN B	2508 REDWAY ROAD	BOISE IDAHO	83704
WOLFE WINSTON C	BOX 403	HUNGRY HORSEMONTANA		59919	YOURSE BARNARD G	415 S 7TH	POCATELLO IDAHO	83201
WOLTERING STERLING E	RTE 1 BOX 220	ATHOL	ID	83801	ZAPPETINI GEORGE	RM 12 CAPITOL BLDG	CARSON CITY NEV	89701
WOOD JOHN Y	RPD 2 BOX 5	PULLMAN	WASH	99165	ZIELINSKI EDWARD C	2505 VAN VRANKEN	SCHENECTADY N Y	12308
WOOD DONALD K	MED BOX NATL FOR	ENCAMPMENT	WYO	82325	ZIMINSKI HENRY V	324-25TH ST	OGDEN UTAH	84401
WOOD ROBERT EARL	COL OF FOR U OF W	SEATTLE	WASH		ZIMMERMANN JACK F	3520 4TH ST SO	WIS RAPIDS WI	54494
WOOD ROBERT EDWARD	COL OF FOR U OF W	SEATTLE	WASH	98100	ZOBELL REX	2613 CHESTNUT DR	CHEYENNE WYO	82001

Address Unknown

AKINS BURTON W	CLARK BURTON D	GRANADA VICTOR M	LIGHT ELLIOT N	OLSON SCOTT W	STAIRS WILLIAM D
ALBERTA JAMES L	COFFEY HOYCE B	GREEN EVERETT C	LINDSAY DAVID O	PARR WILLIAM H JR	STEVENS ARTHUR W
ALMQUIST DENNIS A	COLLE GENE F	GREEN ROBERT L	LOONEY RICHARD E	PAYNE CLOYD T	STICKNEY RONALD H
ANDERSON BERNARD A	COLLARD ERNEST B	GREENWAY GORDON H	LOWNIK EDWARD C	PAYNE JOHN C	STORDAHL JAMES N
ANDRAITIS MAJ A A	COLLINS BENJAMIN F	GREER MORRIS C	LUND JENS M	PEAIRS ROY S	STRAWN CHARLES C
ANDRICK JOHN D	CONARD JAY G	GREGORY CHARLES A	LYNCH JAMES	PEDERSON GARY L	STYFFE HOBART H
ANELL ARTHUR B	COOMBS ALLEN D	GROCH WILLIAM C	MAKI RICHARD L	PEKDVICH ANDREW W	TAYLOR BRYAN E
ASHWORTH ROLAND R	CRAEB WARREN F	GROVER ERNEST T	MALANY HERBERT S	PERKINS KILBY V	TAYLOR CYPRIAN D
AVERETT ROBERT C	CROSS KENNETH J	GUSTAD ORVIS C	MARSH ALFRED H	PETERMANN NELSE W	TAYLOR JOHN L
BAILEY DALENE G	DELEAU DARYL J	GUSTAFSON PHIL S	MARSHALL FREDERICK W	PETERSEN CHARLES H	TAYLOR LAURENT
BALDWIN KENNETH C	DEROSE FREDERICK P	GUTZMAN WILSON C	MARTIN GERALD H	PHELPS EUGENE V	TAYLOR WILLIAM D
BALDWIN ROBERT R	DEWS DAN L	HALL FLOYD H	MARTIN JAMES A	PHILLIPS JAMES E	TAYLOR WILLIAM P
BALL CLIFFORD M	DICKERSON FREDERICK	HANNER BENG T	MARTIN LEO J	PINNOCK JOHN H	TISDALE ELDON D
BARCLAY WILLIAM A	DIDRIKSEN RALPH G	HARRIS JOHN G	MASTIN RICHARD J	PIPER FRANK C	TOFFLING JAMES J
BEEMAN ROBERT D	DIERKEN RICHARD H	HARRISON KENNETH E	MATTHEWS PAUL C	PLUNGUAN MARK	TOOLE ARLIE W
BENDER PHILIP H	DITTMAN CLARENCE P	HAUSSMANN JOSEPH G	MCGEE JAMES B	PORTER ROBERT M	TULLEY HARLAN N
BENTON VINCENT L	DOWHERTY ROBERT A	HEANEY SAMUEL J	MCGILL THOMAS F	POTTER HOWARD L	TURNIPSEED RUSSELL D
BLACK JOHN R	DOWNING JOSEPH C	KEFFEL RICHARD F	MCGINNIS FRANK T	PRESTON PETER C	VAN CAMP RICHARD P
BOLLES WARREN H	DUBBELS LOWELL G	KEFFNER PHILLIP W	MCKEE BILL E	PRICE WILLIAM L	VAN KLEECK ROBERT
BOSS ALLAN S	ELLISOTT LAWRENCE C	KEINER HOWARD R	MCHAIR JOHN J	QUADRI EUGENE B	VANCE EDWARD P
BOURASSA ARTHUR S	ELLIOTT DENNIS E	HJORT GEORGE V	MEARS JOHN S	KIECKEN HUGO W	VANDER POEL DENTON R
BOWER JOHN R	ENGLISH ROBERT B	HODGINS JOHN R	MELICK HARVEY I	RIGGS CHARLES E	VANIER STEPHEN C
BOYO BUFFORD C	ERICKSON DAVID L	HOFFMAN HENRY C	MENGES PHILIP E	RINARD JOHN E	VOLLAND LEONARD A
BRAZELL ALBERT R	FARGO EDWIN	HOLTBY RALPH B	MENNEL RAYMOND	RITCHEY NORMAN C	WAHL JOSEPH D
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BROOKES JAMES C	FINCH SHERMAN J	INGARD ALLEN W	MICHELSON CHRISTIAN E	ROBERTSON HAROLD F	WATSON HAL A
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BROWN HAROLD G	FITTS LORNE A	JANECEK CHARLES A	MILLER WARREN G	ROGERS HAL L	WILKER CARL W
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BUCKINGHAM ARTHUR	FOLKER ROBERT V	JOHNSON ALFRED C	MOOMAW JAMES C	RUBISCH KURT D	WILLIAMS GUY V
BURCHARD WILLIAM JR	FORE ORLANDO	JOHNSON DONALD G	MOORE JON E	RUCKWEEF FRED J	WILLIAMS ROBERT E
BURGETT LAURENCE M	FORGEY LYLE	JOHNSON ROBERT C	MOSS VIRGIL D	RUNBERG DONALD E	WILLIAMS TERRY L
BURR BENJAMIN	FOUCAR KENNETH A	JOHNSON ROBERT C	NAGLE WILLIAM	SALINGER HERBERT E	WILLOWS CLAUDE E
BYNUM HUBERT H	FREECE HERBERT J	KARSTAD OWEN F	NEEL ROBERT W	SAMSON ROGER R	WILSON DAVID G
CAMPETTI THOMAS B	FREY ROBERT E	KAYE DAVID M	NELSON NORMAN T	SCHALLER MAURICE R	WOOD CHARLES
CAMPBELL RICHARD L	FRITZ JOHN L	KEENE EDWARD L	NELSON TERRY L	SCHROCK WILLIAM R	WOODS ALAN H
CAPLES JAMES W	FRIZZIE BERNARD	KESSLER JOHN A	NELSON WILLIAM E	SCHROEDER THOMAS W	WOODLEY SAMUEL B
CARLSON STUART F	FROEGER ARTHUR I	KEUCHMANN JAMES H	NISBET ROBERT L	SCHULTZ HENRY W	WRAY SYDNEY E
CASE ROBERT J	GARDNER GEORGE R	KILER ALVARO R	NORDLOM GEORGE F	SEDOFF ARTHUR	WRIGHT LOREN H
CASWELL EDWIN B	GARLAND CRAIG W	KINNAMAN DALE H	NOVAK CLYLE A	SETTLERS RAYMOND L	YODER VINCENT S
CHADWICK HOWARD	GARRETT ALLEN E	KISSKA LESTER	OBBERMEYER JACK W	SHERO JACK W	ZORB GORDON
CHAPIN JAMES D	GEORGE FERDINAND	KLEPINGER FRANKLIN	OEHNCKE BOB G	SHERO RICHARD P	ZUBERBUHLER RUDOLPH U
CHARKE WILLIAM T	GERKE HENRY J	KNAPP DAVID L	OLIVER JOHN P	SMITH ALMOND W	ZWIRTZ ROBERT J
CHEN CHUNG-HSIEN	GIBSON NELSON C	KULM DAVID L	OLIVIER MAX M	SMITH THOMAS W	
CHERRY PARLEY E	GODDARD WILFRED D	LEHRBAS MARK M	OLNEY WARREN B	SONNICHSEN ROBERT W	
CHRISTY DAVID A	GOENNE FREDERICK W	LEHTO VIHO A	OLSON ROBERT W	STAHL MALCOLM K	

Deceased

AHLSSKOG RALPH H	CARLMAN ROBERT A	FAYRE CLARENCE E	HUNTINGTON COLLIS H	NITZ GEORGE C	SIEWERT GEORGE W
ALLEGRETTI JOSEPH	CARLSON OSCAR F	FENN LLOYD A	JONES JOHNNY J	OLSEN CLARENCE C	SLIPP ALBERT W
AUST PAUL W	CLARK ELMOR D	FISHER GEORGE W	KELLY JAMES J	PARSONS RUSSELL M	SNYDER ERNEST P
BAILEY WILLIAM E	CLARKE STANLEY C	FITZGERALD WILLIAM K	KNOBLOCK JACK R	PIERSON ROYALE C	SPENCER LITER E
BAKER LOREN K	CRAWFORD CHARLES R	FRITCHMAN HOLT	KOWALSKY STEPHEN I	PIKE GALEN W	SPENCER BEN D
BARNETT JAMES W	CURTIS FLOYD C	GALUSHA CHARLES	KRUEGER KENNETH W	POLZ ERNEST A	STANTON EDGAR W
BAUMERT BRENT J	DANIELS ALBERT S	GERRARD PAUL H	LANGER CHARLEY J	PRAPFKE VERLON E	STAPLES HOWARD W
BEALS WILFRED F	DAY NEIL J	GILL TYLER S	LANSDON WILLIAM H	RANDALL WARREN R	STOUFFER DAVID J
BEDWELL JESSE L	DECKER ARLIE D	GIRARD JAMES W	LEONARD RODNEY B	READ WILLIAM W	TUMELSON FLOYD O
BODER JACK D	DRISSEN JOHN P	GIRARD JAMES W	LILLICO KEITH R	RICHARDSON KENNETH F	WADSWORTH H A
BOOKER EDWARD C	EASTMAN VIRGIL H	GODDEN FLOYD W	LUNDSTRUP F J	RITZHEIMER EARL	WALRATH FAIRLY
BOY GLENN L	ELLIS FRANCIS G	GRAF MILLER JAY T	MALWSTEN HARRY E	ROWE PERCY B	WHITE HAROLD Z
BRANDT JOHN C	ELLISON PAUL L	GUSTAFSON CARL A	MCKEEVER DONALD G	RUTLEDGE R H	WIGGINS EDWARD
BREON EUGENE E	ERICKSON EDWARD JN	HALLETT NOEL L	MICHELL WILLIAM W	RYAN CECIL C	WILSON ALLAN S
BROCK JOHN E	EVANS JEROME	HEPHER WILLIAM S	MOODY VIRGIL C	SAASTAD HAROLD L	WILSON DONALD W
CALL ELWOOD C	EVERSON AXEL C	HERMAN CHARLES H	MUNSON OSCAR	SHANKMAKER OREN F	WOODWARD DORAN E
CALLENDER WILLIAM		HOPKINS JESSE K	NETTLETON HARRY I	SHANK PAUL J	YEARSLEY MAURICE C
					YOUNGS HOWARD

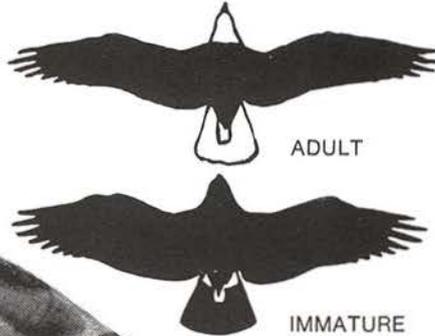
Georgia-Pacific helps keep America's symbol of freedom flying high.

You, too, can protect eagles.

The magnificent American Bald Eagles are in danger. Eagle populations are declining. Bird experts blame the eagles' problems on loss of nesting sites due to encroachment by civilization such as construction of towns, cities, highways, roads and airports; possible chemical-caused infertility; and above all, illegal shooting. It is a Federal crime to shoot or molest eagles, yet people continue to shoot them.

Found only on the North American continent, bald eagles have a wing

span of 6½ to 8 feet. They don't get snowy white heads and tails until the fourth year, so they look like hawks, which also are protected in most states. Eagles are among the most magnificent and majestic birds in the world.



G-P foresters protect eagles

Georgia-Pacific manages a successful eagle protection program on our millions of acres of timberlands from Maine to Oregon, from Florida to Washington, from Arkansas to Alaska. Our foresters locate eagle nest trees and protect them. We keep roads and people from the nests wherever possible. Our logging crews do not harvest eagle nest trees, and we leave adjacent timber surrounding them. And, to stop illegal shooting, we offer free posters to help people identify eagles.

Send for your free eagle posters

You can help by teaching others to appreciate, identify and protect eagles. Free posters are available in two sizes, 8 x 10" and 10 x 17" for landowners, tree farmers, ranchers, conservationists, bird watchers, school teachers and students.



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