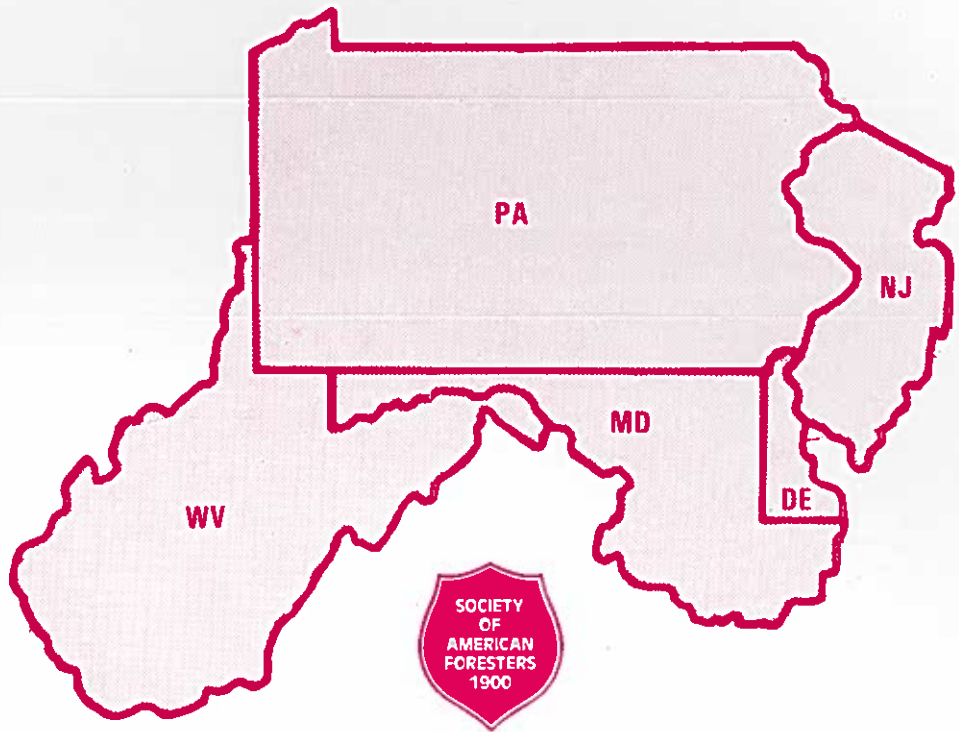


The ALLEGHENY NEWS



**This issue contains:
Allegheny SAF Winter Meeting**

WINTER 1986

Allegheny News

Allegheny Society of American Foresters

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W. Virginia University, Morgantown, WV 26506

NEWSLETTER

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The Allegheny News is published three times a year by the Allegheny Society of American Foresters
Its circulation reaches more than 1200 members



Notes From The Chairman

ELECTIONS: Congratulations to all who have been elected officers in Divisions and chapters. I hope you will be active in the coming years and participate in preparing and achieving your goals. Please send the names and addresses of new officers to the National Office as soon as possible.

NATIONAL MEETING: Bill Scherer attended the meeting in Birmingham, AL this year.

The HSD met and made five recommendations to the SAF Council.

1. HSD recommends that, in addition to the Golden Membership award, the Council establish a service longevity award at 25 years and include 25-year certificates for those with 25-49 years of service.

2. HSD recommends that the national office staff proposal for a leadership workshop be approved by Council. Details would be left up to the steering committee formed as a result of the staff proposal.

3. HSD recommends that the Council consider holding SAF national conventions on university campuses that have SAF-accredited forestry programs.

4. HSD recommends that the 1987 SAF budget be prepared with the following considerations: (1) Budget should be break-even; (2) Council should review costs of accreditation that exceed revenue; (3) Council should evaluate wisdom of implementing a certification program that might involve a deficit budget.

5. HSD recommends that the Council direct the national office staff to explore the feasibility of installing a 1-800 WATS telephone line into the national office (possibly 1-800-FORESTS).

Council will review these recommendations in November. Watch for these results in coming issues of the Journal.

1992 NATIONAL MEETING: The Appalachian SAF Chair has asked for a joint National SAF meeting in Richmond, VA with the Allegheny SAF. A response by the Allegheny Society is needed. We will discuss and forward a decision after our winter meeting.

MEMBERSHIP: Again, we need to go one-on-one to obtain new members and reinstate those who have dropped their membership. If we don't increase membership, then we will all pay increased dues!!

WINTER MEETING: I have reviewed the program for the Winter Meeting. The subject matter is timely and promises to be an informative meeting. We hope to see many of you there.

BUSINESS MEETING: Items for the February 1987 business meeting should be presented to me by February 1, 1987.

In behalf of the Officers and Executive Committee of the Allegheny Society, I wish you peace and happiness during this Holiday Season.

Dick Kennell

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THIS ISSUE PRINTED
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GLATFELTER PAPER

People

Fifteen Forest Scientists Travel To Yugoslavia For World Congress

Fifteen members of the Society of American Foresters (SAF) received grants funded by the National Science Foundation to travel to a world forestry congress in Ljubljana, Yugoslavia. They were William J. Libby and John A. Helms, University of California-Berkeley; Karel J. Stoszek, University of Idaho; Gene E. Campbell, University of Illinois at Champaign-Urbana; Lloyd C. Irland, State Planning Office, Augusta, Maine; Thomas J. Corcoran, University of Maine-Orono; Dietmar W. Rose, University of Minnesota-St. Paul; Donald E. Koten, State University of New York, Syracuse; David H. Newman, Duke University, Durham, North Carolina; Scott A. Schlarbaum, University of Tennessee, Knoxville; M. Victor Bilan, Stephen J. Austin University, Nacogdoches, Texas; W. David Klemperer, Virginia Polytechnic & State University, Blacksburg, Virginia; B. Bruce Bare, University of Washington, Seattle; Jack E. Coster, West Virginia University, Morgantown; Jeffrey C. Stier, University of Wisconsin-Madison.

The fifteen are recognized experts in forest economics, genetics, engineering, and other fields. They presented papers at a world congress organized by the International Union of Forestry Research Organizations (IUFRO), of which SAF is a member. The congress, held this year, from September 7 to 21 in northern Yugoslavia, meets every five years. The last IUFRO congress took place in Kyoto, Japan, in 1981.

The National Science Foundation grants helped guarantee broad participation by both senior and junior SAF scientists.

Roger Sherman Recipient Of "Outstanding Service to Forestry"

West Virginia Division Legislative and Policy Committee Chairman Roger Sherman was the recipient of the West Virginia Forestry Association "Outstanding Service to Forestry" award. Association President Doug Toothman in presenting the award during the group's annual meeting, cited Sherman's efforts in the legislative and regulatory areas in behalf of forestry in West Virginia.

Society Of American Foresters Welcomes Honorary Members

Leopoldo Brandao, of Rio de Janeiro, Brazil, is active in the promotion of planting and research in his country. He is manager of a 75,000-hectare eucalyptus plantation. He is also president of CRISADA, an enterprise that produces alcohol fuel. In 1984 Brandao received the prestigious Marcus Wallenberg Award as the outstanding forester in the world.

Gerd Hildebrandt, of Leipzig, Germany, is head of the Department of Photogrammetry of the University of Freiburg. He is a leader in the application of photogrammetry to the practice of forestry.



Harold Geiger Retires From Glatfelter Pulp Wood Company

Harold W. Geiger, Administrative Assistant, The Glatfelter Pulp Wood Company, Spring Grove, Pennsylvania, retired recently after thirty-five years of service.

A native of Elverson, Chester County, Pennsylvania, Geiger received his Bachelor of Science Degree in Forestry from The Pennsylvania State University in 1944. He spent seven years with the US Soil Conservation Service. He joined the Glatfelter firm in 1951 as a forester and later became wood procurement manager for Pennsylvania.

In 1967 he was promoted to Administrative Assistant to the Vice President and General Manager of the company with overall wood and chip procurement responsibilities. He was elected a Director of The Glatfelter Pulp Wood Company in 1968.

Geiger is a member of numerous professional organizations including the Soil Conservation Society of America and the American Pulpwood Association. In 1985 he was elected to the grade of Fellow in the Society of American Foresters.



Obituaries

Lawrence E. Stotz 1905-1986

Lawrence Edward Stotz, 81, 41 Dunham Street, Sheffield, died at home at 2:40 p.m. on Wednesday, November 12, 1986, after an extended illness.

Born in Crafton, PA, on January 20, 1905, a son of the late William and Nancy Forester Stotz, he lived in Sheffield since 1947, moving there from Jemez Springs, New Mexico. He was employed by the U.S. Forest Service for 35 years in Montana, Minnesota, Maine, Arizona, New Mexico and a district ranger on the Allegheny National Forest for 20 years. He was a graduate of Cornell University, College of Forestry and worked for Flinch-Prynn Paper Company and the Canadian International Paper Company. He was awarded Forester of the Year in 1966 by the Allegheny section of the Society of American Foresters, received the Pennsylvania Forestry Association Conservation Award in 1970, and the Don Neal Award in 1973. He was elected a fellow in the Society of American Foresters in 1977. He wrote a weekly newspaper column on conservation for the **Warren Times Observer** for 32 years.

He was a member of Bethany Lutheran Church, Sheffield, the Sheffield Rotary Club, Warren Academy of Science, Pennsylvania Forestry Association, the Outdoor Writers Association of America, and the Pennsylvania Outdoor Writers Association.

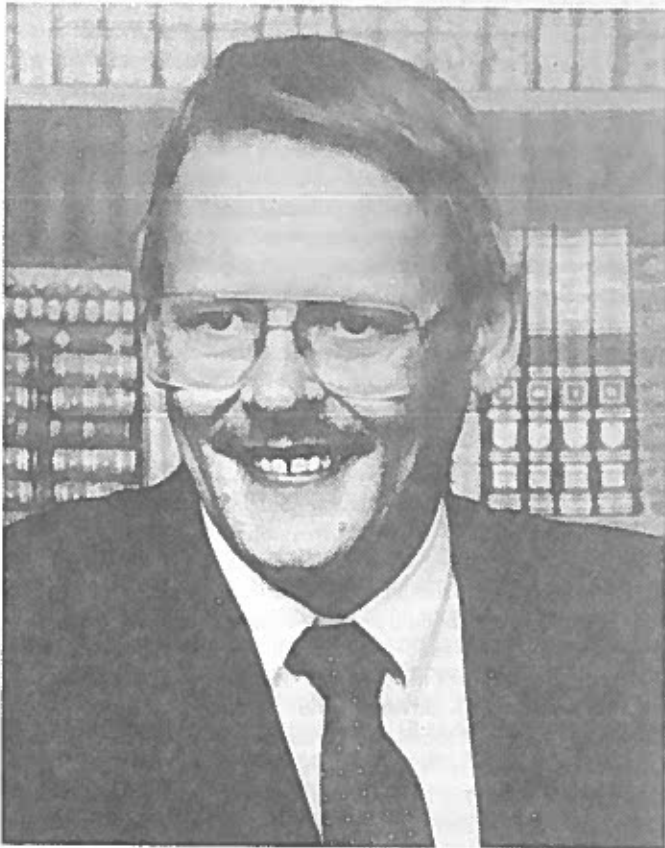
He was preceded in death by his parents, a son, Lawrence Nicholas Stotz; two brothers, Col. James Stotz and William Stotz, and two sisters, Margaret Stotz and Jeannie Stotz.

Surviving are his wife, Irma Nichols Stotz, a daughter, Nancy Crozier, Sheffield; two grandsons and a great-grandson, and a sister, Mrs. Nancy Nolan, Brooksville, Florida.

A memorial service was held at Bethany Lutheran Church in Sheffield on Sunday, November 15 with pastor David Blank officiating. Burial was at Sheffield Cemetery.

The family suggests memorial donations to the Bethany Lutheran Church Memorial Fund or the Warren County Humane Society.

The Borden-Vincent Funeral Home in Sheffield was in charge of the arrangements.



Conrad C. Nelson

Conrad C. Nelson, 53, president of the Nelson Paint Company, Montgomery, Alabama, died at the Montgomery Baptist Medical Center in October. He was appointed president of the firm in 1957 at the age of 24. His sister Barbara Nelson Louys, an active partner in the firm, will assume his role. The Nelson Paint Company manufactures marking paints and paint marking products for the forest industry. It has plants in Michigan, Alabama and Oregon.

Dr. Christian B. Koch

Dr. Christian B. Koch, Professor of Wood Science at West Virginia University, died on October 4, 1986. He was on the faculty at WVU since 1951 and played a major role in the shaping of the wood science curriculum at WVU. He had planned to retire in July of 1987.

His expertise was in the field of timber mechanics and his most recent research interest was in the properties and utilization of second-growth yellow-poplar. He was an outstanding teacher and a former advisor of WVU's Student Chapter of the Forest Products Research Society. The Student Chapter established a scholarship in his honor in 1978.

He received his B.S. and M.S. degrees from the University of Idaho and his Ph.D. from the University of Michigan. He was an Army veteran of World War II, having served in the India, China, Burma theatre. Before joining the faculty at WVU, he served on the faculty at Utah State Agricultural College from 1950 to '51, was a wood technologist with the U.S. Forest Service in 1949-50, and was a research officer with the Australia Forest Products Laboratory in 1948 and 1949.

He was a member of the Forest Products Research Society, the Society of Wood Science and Technology, and the Society of American Foresters.

Dr. Koch is survived by his wife, Inge K. Koch, three sons - John B. Koch, Dr. Michael L. Koch, and Thomas V. Koch, and a brother, Richard L. Koch.

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Allegheny Reflections

By Bill Corlett



As we look forward to the Annual Winter Meeting in Harrisburg next February, we anticipate a lot of good fellowship, a lot of exchanging of ideas, some reminiscing, a chance to do some in-depth sharing of concerns and problems uninterrupted by the telephone or opening the mail, and most of all an infusion of new ideas and technology which will lift us out of our normal and familiar day-to-day activities and give us, at least for a couple of days, a different perspective

In our richly-blessed Allegheny Society we have always enjoyed a diversity of resources and resource problems, and more importantly, a diversity of professional talent. So a young forester or technician can mingle with the best and most experienced resource managers and research specialists in the business and go home with a sense of belonging to a great fraternity of scientists who are seeking a better way to serve the common good. The sharing, the comparing, and the diversity have always been important to Allegheny foresters. We prize not only that which we enjoy by accident of geography and variety of employment but also that gained by reaching outside our boundaries. For example, the Southern Appalachian Section was invited to meet with us at Elkins, West Virginia, in July 1926, and since then we have, on several occasions, met with the Ohio and New York Sections and the National Capital Society.

Our diversity of talent is more evident on some occasions than on others. Consider the case of the Allegheny Secretary-Treasurer who invited the host state's Governor to a Winter Meeting and received this response:

"Dear Mr. Condon

My warmest thanks for your letter of February 9. Yes, I have the 5th and 6th of March down in my engagement book, and if I am out of jail and out of hospital at that time, I shall certainly make it a point to be on hand on one of those days at least."

The year was 1926, the meeting was in Harrisburg and the Governor was Gifford Pinchot. He must have been out of jail, because his name appears with 48 others on the attendance list.

We don't have copies of the papers from that meeting, but there were eleven of them, presented by familiar names. Bill Taber spoke on "Forestry Exhibits - A Forestry Problem," Bill Edwards on portable sawmills, George Perry on "The Swedish Inventory," Harry Elliott on the aftermath of pulpwood and chemical wood cutting, Billy Byers on the forest conversion, and J.A. Ferguson on the management of

mixed oak stands. There were papers on tree planting, forest management, kiln drying, and a report of the Committee on Research and Investigation. I'd like to know what foresters in 1926 thought would follow chemical wood cutting in northern Pennsylvania, but I'm really curious about how J.S. Illick treated his topic, "Visual Methods in the Practice of Forestry."

By 1936 some of the topics showed the journeyman's touch and the growth of the profession. The meeting was again in Harrisburg and in the Senate Caucus Room, but they were discussing the marketing of thinnings, grades of nursery stock, seed certification, and the role of forestry in the new soil conservation program. There were 144 members at the meeting, and the Secretary-Treasurer reported a year-end balance of \$87.37. His income had been \$232.93 and his expenses \$145.56, of which \$1.50 was the loss on the Winter Meeting, and \$6.41 covered the annual expenses of the Executive Committee.

Harold Round was Chairman, and in presenting the Executive Committee Report he said:

"The past year has been one of extreme activity in the field of forestry. Forestry is now a household word, understood by all, and we may safely say that the profession has attained its majority.

The role of a professional society in times of such high pressure activity is clear-cut. It should not function merely to try and keep up with the profession, it should seek to assume a vigorous leadership. That the Society has assumed such a leadership is a tribute to the energy and foresight of its President Herman Haupt Chapman who has done more to advance the Society than any of his predecessors. The Society is fortunate to be assured of such aggressive leadership for two more years.

We believe that this Section has also kept abreast of the times ..." but enough of that!

The 1935 elections in Pennsylvania brought the young Society face to face with spoils system politics, and personnel changes became a matter of concern. The Allegheny Section wrote to Governor-elect Earle and to the Secretary-designate of Forests and Waters prior to their inauguration, urging that the personnel in Forests and Waters be retained. Both officials apparently promised that the efficiency of the Department would be maintained.

When the first changes were made "for efficiency and economy," the SAF said nothing, but several months later, when the second round of changes clearly appeared to be politically motivated, both the Allegheny Section and national President Chapman protested, reminding the Governor and the Secretary of their promises. In his report Chairman Round said, "The Governor made a logical reply and charged the Section to show where these changes had lowered the efficiency of the Department. This is an extremely difficult matter to prove inasmuch as all foresters appointed are men of acknowledged standing in the profession as well as members of the Society."

As a result of this experience the Allegheny Section asked President Chapman to draft a definition of ethical practices in employment situations. Chapman did so, and a strong resolution urging the establishment of civil service was adopted at the 1935 Summer Meeting. Copies were sent to organizations known to be interested, and 17 of them joined SAF in forming a committee. It was a diverse group, including, for example, the Pennsylvania Forestry Association, the Pennsylvania Academy of Science, the YWCA, the Pennsylvania Tuberculosis Society, the Medical Society of

Continued on Page 5

Allegheny Reflections --

Continued from Page 4

Pennsylvania, the League of Women Voters, the Pennsylvania Council of Churches, and the Pennsylvania State Nurses Association. Their purpose was to back a civil service bill, and we sure have to give the Allegheny Section an A for effort.

At the Winter Meeting in 1936 there was: 1) a report suggesting "Means Whereby Silviculture May Be Conducted With Game Management and Forest Protection"; 2) a report on sustained yield management on private land; 3) a 19-page summary of the 3.5 million trees sold to farmers and the 2.4 million planted on State Lands, by species, by state; 4) a paper on education possibilities in the CCC; 5) a report on insects and diseases (Dutch Elm, Gypsy Moth, Blister Rust, Chestnut Blight, and others); and 6) a report of the Committee on Land Policy which says, in part, "In these days of national planning, integrated land use, wholesale acquisition programs and large federal appropriations, it seems wise to discuss the whole question of land use and to set forth some principles which, we believe, should govern." Of major concern was the state and federal acquisition of tax-delinquent land.

In other action at that meeting they passed two amendments to the By-Laws. One added an Affiliate grade of membership, and the other added the entire state of Virginia to the Allegheny Section.

A letter from the Pennsylvania Forestry Association was read, inviting the Section to meet with them and the American Forestry Association in a joint meeting celebrating the Fiftieth Anniversary of PFA, and the invitation was accepted. Three months later, however, the Executive Committee met in Luther Schnur's office at the Allegheny Forest Experiment Station in Philadelphia and set aside that decision, opting instead to hold the Summer Meeting on the Eastern Shore of Maryland "in the loblolly pine forest region." Those five men, Chairman A.C. McIntyre, E.B. Moore, F.I. Dewald, H.N. Cope, and Schnur took that action, they said, because the PFA meeting was to be held at Eaglesmere, Pa., "in the vicinity of which very little forestry work is being done"

How we have changed! We still discuss exhibits, sawmills, regeneration, silviculture, and fire, but now we're thinking in terms of integrated management, and our themes and topics are "Forests, the World and the Profession," foreign imports and exports, urban forestry, and digital technology. Let us hope we continue to change. Of course we no longer can get a room and three meals for \$4.50 per person per day, double occupancy, the way they did during the Summer Meeting with the New York Section at Bear Mountain Inn in Iona, N.Y., in September 1936, but then, that was probably an off-season rate. With three to a room, however, the rate was only \$4.00.

Tom De Long's father and John Bearer's grandfather were appointed to committees at the 1936 Winter Meeting, and we know that Henry Clepper, Marc DeBerti, Maurice Goddard, Manny Gordon, Maynard Hench, Dick Lentz, Al Mickalitis, Corky Miles, Clyde Pyle, and Dave Sowers were active members of the Allegheny Section as it celebrated its Fifteenth Anniversary. If the founding fathers thought the Section had reached its majority at age 15, what do you suppose they would think now? I hope they would be proud.

William S. Corlett
History Committee
November 16, 1986

WELCOME!!

New members of the Allegheny Society

CODES: N - New Member, R - Reinstatement, T - Transfer

Maryland/Delaware Division

S. English - R; S. Gates - N; D. McKenzie - N; S. Mersmann - T; T. Moore - N; W. Moser - T; J. Owens - T; S. Resh - T; G. Robertson - T; J. Swauger Jr. - N; G. White - N

New Jersey Division

I. Borden - R; M. Coker - T; C. Franz - T; E. Griscom - T; M. Hynson - N; J. Kegg - R; T. Koepfel - N; J. Reynik - N; M. Simons - N; P. Wikoff - T; B. Wallin - N

New Jersey - Rutgers Student Chapter

M. Gabliks - N

Keystone Chapter

D. Clymer - N; H. King - N; T. Lewis - N; M. Michaels - T; M. Ticehurst - R

Northern Hardwood Chapter

A. Almonetti - N; T. Fenstermacher - R; S. Heald - T; M. Ticehurst - R

Pinchot Chapter

J. Hopkins, Jr. - N

Plateau Chapter

J. Arnold - R; R. Domville - N; D. Dunshie - N; S. Fox - N; P. Rutkowski - T; W. Slusser - N

Rothrock Chapter

J. Amrhein - T; E. Burnside - T; C. Cavanaugh - N; A. Griffith - T; E. Grossman - N; J. Harding - T; R. Harris - T; P. Hodes - R; R. Huckfeldt - T; G. Hughs - R; M. Jones - N; R. Kurilla - N; T. Pierson - T; D. Stiffler Jr. - R; D. Stiffler - N; D. Tincha - N; W. Wynick - T

Valley Forge Chapter

L. Apgan - T; D. Byrne - T; R. Carron - T; K. Munley - T; J. Patten - N; J. Pritz Jr. - R

Western Gateway Chapter

R. Chappell - N; J. Hutchinson - T; C. Ostheim - R

West Virginia - Morgantown Student Chapter

E. Laureano - N; E. Smith - T

West Virginia Division

G. Dempsey - N; J. Hersel - R; R. Keys - N; W. Luppold - N; F. Main - T; J. Yandoh - N

DUES . . .

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Allegheny SAF Winter Meeting

Hosted by Pennsylvania Division SAF

at the Host Inn Harrisburg, PA

February 18 thru 20

The Pennsylvania Division is hosting, appropriately at the Host Inn in Harrisburg, the Allegheny Society SAF Winter Meeting. Besides offering the opportunity for professional contact and technical exchange, this meeting provides a little extra social exposure.

Instead of the usual banquet format, MISHAR productions has been engaged to present a two act comedy by Neil Simon to entertain us. "Barefoot in the Park" is a delightful look at the often unavoidable mixture of life and love! Our usual awards ceremony will take place between the two acts of the comedy.

Registration information will be in your hands the first week of January, but mark your calendar now for February 18-20, 1987 for our annual get together. Early registrants will be offered a FREE SAF name tag, so commit early.

The Central Pennsylvania area, besides offering the refurbished capitol building and accompanying museum, is the home of Three Mile Island, and close to Hershey, the PA Dutch country, and the Reading outlet malls. So, spouses, come on along for a mid-winter holiday!!

Wednesday, February 18

- 4:00 to 8:00 p.m. — Registration, dinner on your own
- 7:00 to 9:00 p.m. — Ice Breaker, Film Festival
- 9:00 to 11:00 p.m. — Executive Committee Meeting

Thursday, February 19

- 7:00 to 8:30 a.m. — PA Division Breakfast Meeting
- 7:30 to 11:30 a.m. — Registration
- 8:30 to 8:45 a.m. — Welcome
- 8:45 to 9:15 a.m. — Keynote Address
- 9:15 to 10:00 a.m. — General Session I
- 10:00 to 10:30 a.m. — Break among Exhibitors
- 10:30 to Noon — **Concurrent Session I & II**
 - Chesapeake Bay Update
 - Imports/Exports - Impact
- Noon to 1:30 p.m. — LUNCH
- 1:30 to 3:00 p.m. — **Concurrent Session III & IV**
 - Herbicides in Forest Management
 - Women in Natural Resources
- 3:00 to 5:00 p.m. — Allegheny Society Business Meeting
- 3:00 to 5:00 p.m. — Student Session
- 5:30 to 6:30 p.m. — Cash Bar
- 6:30 to 7:30 p.m. — Banquet
- 7:30 to 8:30 p.m. — Act I (Entertainment) *
- 8:30 to 9:00 p.m. — Awards/Break/Cash Bar
- 9:00 to 10:00 p.m. — Act II (Entertainment)

Friday, February 20

- 7:00 to 8:30 a.m. — Prayer Breakfast
- 8:30 to 10:00 a.m. — **Concurrent Session V & VI**
 - Forest Land & the New Tax Law
 - Communications Skills
- 10:00 to 10:30 a.m. — Break among exhibitors
- 10:30 to 11:15 a.m. — General Session II
- 11:15 to 11:30 a.m. — Chairman's Wrap-Up

* "Barefoot in the Park" - a Neil Simon
comedy presented by MISHAR Productions

Important Meetings

January 5-8, 1987

"Introduction of the Microcomputer for Natural Resource Professionals" Short Course is to be held at the University park Campus of Penn State University. For additional information contact the Agricultural Conference Coordinator, 409 J.O. Keller Building, University Park, PA 16802. Phone: (814) 865-9547

January 22, 1987

The Northern Hardwood Chapter will hold its Annual Winter Meeting at the Coudersport Golf Club Dr. James Grace will address the role that diameter limit cutting plays in forest management.

February 2-5, 1987

"The 42nd annual Pennsylvania Nurserymen's and Allied Industries Conference" at J.O. Keller Conference Center at the University Park Campus of Penn State University. For more information contact Patty Teaman at (814) 865-9547.

February 18-20, 1987

The Allegheny Section of the SAF Winter Meeting at the Host Inn, Harrisburg, PA.

February 26-28, 1987

"Northeast Wood Products Expo '87" at the Marriott Copley Hotel in Boston, MA. For more information contact Dame Associates Inc., 51 Church Street, Boston, MA. Phone: (617) 482-3596.

Forester Exams To Be Held

FORESTER, FORESTER TRAINEE and FOREST TECHNICIAN EXAMS for New York State will be held on January 24, 1987. For more information contact: The State Department of Civil Service, The W. Averell Harriman NYS Office Building Campus, Albany, NY 12239.

ART CONTEST

The annual art contest will be held this year at the winter meeting in Harrisburg on February 18, 19 and 20. The contest is open to any SAF member. Art work and crafts should be submitted on the first day of the meeting and ballots will be handed out at registration. Prizes will be awarded at the banquet.

Direct any questions to Amy Griffith at (814) 364-1006.

Dept. of Justice Reaches Settlement With Otter Creek Co.

WASHINGTON, DC — The United States Department of Justice has reached a negotiated settlement with the Otter Creek Coal Company to end seven years of litigation over future coal mining under the Otter Creek Wilderness in West Virginia. The Otter Creek Wilderness is a part of the Monongahela National Forest headquartered in Elkins, West Virginia. Although the Federal Government owns the surface of the land, much of the coal and other mineral rights were owned by the Otter Creek Coal Company. The lawsuit arose after Congress designated the area as the Otter Creek Wilderness Area in 1975. The company filed suit in the United States Court of Claims contending that wilderness designation of the surface prevented them from mining their underlying coal.

Part of the negotiated settlement involved a damage payment of \$8,000,000 to Otter Creek Coal Company. In turn, the company has deeded to the United States all its mineral rights and certain other lands in Tucker and Randolph Counties. The lands and minerals will be managed by the Forest Service, USDA, as part of the Monongahela National Forest.

"The Forest Service welcomes this settlement by the Department of Justice as the end to many years of protracted litigation and uncertainty as to the rights of the private mineral owners and the Federal Government," says Jim Page, Supervisor of the Monongahela National Forest. "The settlement will largely assure that the natural values of the Otter Creek Wilderness will be permanently protected."

Forests Policies And Positions Published

The book "SAF Forest Policies and Positions 1986" contains all SAF's current national positions on topics that range from below-cost timber sales to acidic deposition. The SAF Council, state society, division, and chapter chairs; the Forest Science and Technology Board; and other members directly involved in policy formulation received copies. Others wishing copies may purchase them from the national office. Single copies cost \$10.

Computer Programs Aid Pallet Manufacturers

Design Cost And Resource Efficient Pallets

by Diane Sullenberger and Walt Wallin
Northeastern Forest Experiment Station
USDA Forest Service
370 Reed Road, Broomall, PA 19008

Today, the pallet industry alone consumes about 50 percent of the total production of hardwood lumber and about eight percent of the coniferous lumber production. In order to contribute to the overall resource supply, Forest Service scientists are searching for ways to improve the efficiency of wood use in pallet manufacturing.

The pallet is a platform device used as a base to assemble, store, handle, and transport materials in a unit load. Pallet designs vary greatly to accommodate the wide range of pallet functions but basically, pallets consist of one or two decks supported by stringers or stringer boards and blocks. In 1983, 258 million pallets were produced and, currently, about 95 percent are constructed of lumber or plywood.

Since the pallet industry relies heavily on natural wood resources, Forest Service scientists from the Northeastern Forest Experiment Station's Forestry Sciences Laboratory in Princeton, West Virginia, have conducted studies to develop information that allows the nation's wood supply to be used more efficiently and effectively.

In 1976, the Forest Service developed computerized design procedures to estimate the strength, stiffness, and durability of wooden pallets. These programs were released to pallet manufacturers on a trial basis to test program utility. In 1980, a cooperative research program was subsequently initiated to improve the strength and stiffness estimates for stringer-type pallets, and to investigate the type and quantity of residues developed from pallet plants.

Together with the University of Tennessee, the Forest Service researchers have developed a computer program, SIMPAL, an acronym for SIMulation of PALlet manufacture. SIMPAL helps pallet manufacturers, State and Private Forestry, and State Forest Products Utilization Specialists identify areas of manufacturing where mill waste and industrial residues are generated. SIMPAL's appeal is its simplicity of use and its versatile problem-solving capabilities through computer simulation.

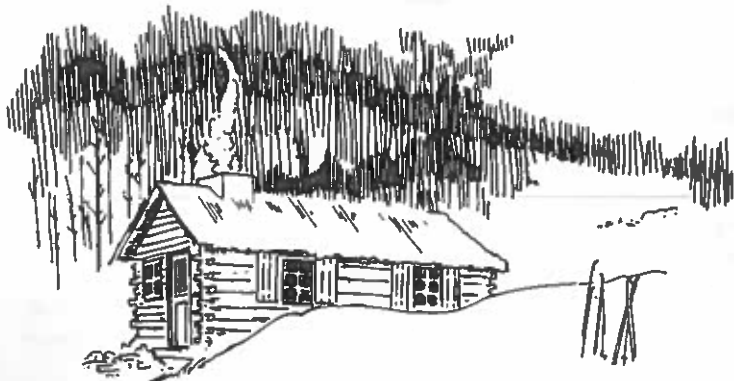
A computerized design procedure for stringer-type pallets, the Pallet Design System (PDS), was completed in 1984. PDS is a result of a 4-year cooperative research program conducted by Virginia Polytechnic Institute and State University, the National Wooden Pallet and Container Association, the USDA Forest Service's Forestry Sciences Lab, Princeton, WV, and the US Forest Products Lab in Madison, WI. PDS allows pallet manufacturers to estimate the

strength, deformation, and durability of a wood stringer pallet in a given handling environment to determine the specific pallet design suitable for a desired task.

Forest Service researchers in cooperation with university researchers have also investigated the physical properties of pallet materials produced from several important species, and have developed laboratory test procedures to document pallet durability and longevity. Varieties of pallet fasteners, construction materials, and designs have been analyzed for efficiency.

Results of Forest Service research have been presented in the form of workshops, demonstrations, and numerous publications including journal and magazine articles. More than 30 pallet manufacturers are currently using the PDS computer programs, and six sets of the original personal computer discs of the SIMPAL program have been duplicated and submitted to individual pallet plants for use on their computer. The Pallet Design Program has also been programmed in BASIC for the IBM PC and APPLE II+ computers.

For further information contact Dave Martens, Forestry Sciences Laboratory, P.O. Box 152, Princeton, WV 24740 (Phone 304-425-8108).



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Pruning Trees Successfully

by Diane Sullenberger and Alex Shigo
Northeastern Forest Experiment Station
USDA Forest Service
370 Reed Road, Broomall, PA 19008

The emphasis of proper tree care is shifting toward a greater understanding of how trees grow, how they decay, and the causes of decay. Obsolete, expedient, and harmful tree treatments are replaced by carefully researched methods which result in healthy, safe, and attractive trees. Information regarding tree defense mechanisms and tree decay must be available to provide practical, biologically sound guidelines for important tree care procedures such as pruning.

Over the past 25 years, the Forest Service has conducted research on tree biology and the process of decay to increase understanding of the impact of injuries to trees by microorganisms, animals, and pruning wounds. Forest Service researchers at the Northeastern Forest Experiment Station's Forestry Sciences Laboratory in Durham, New Hampshire, in cooperation with organizations in many foreign countries such as the University of Hamburg, Germany, have developed new guidelines for proper tree pruning and the use of wound dressings to reduce the potential for tree damage and decay.

Improper pruning is the major cause of tree damage by humans. Proper pruning procedures follow the guides present on the tree itself. A raised ridge of bark tissue separates the branch from the main stem. The branch should be cut downward and slightly outward in front of this branch bark ridge to avoid injuring the main stem or the protective branch collar that forms as a branch wanes. Man has experimented with pruning for over 400 years, and one popular method is cutting branches as close as possible to the joining branch or stem (flush cutting). No biological data exists to support the benefits from this treatment which has developed from tradition and been practiced for centuries.

The flush cut occurs behind the bark ridge and removes an internal chemical layer of the tree. Tree-inhabiting microorganisms thus have easier access to the wood. Forest Service studies show that internal cracks may result from harsh flush cuts, and damage to the main stem causes serious problems including discolored wood, decayed wood, cavities, cankers, sunscald, frost cracks, and insect borer injury. Flush cuts are usually followed by a wound dressing to prevent rot. The researchers in Durham have observed that wound dressings such as paint do not stop decay or stall its development in the living tree. The genetic makeup of the tree and its own natural defenses regulate the healing process following pruning, and wound dressings are merely cosmetic.

The innovations in tree care developed by the Forest Service researchers are presented to a wide audience of people concerned about proper tree management such as members of the tree industry, wood product manufacturers, managers of urban and community forests, arborophiles, students, and homeowners. Lectures, symposium, workshops, field tours, and other educational courses have been conducted in the United States and abroad. New information is published in research papers, homeowner guides, encyclopedia works, newspapers, and gardening magazines. Some publications have been translated into foreign languages including Danish, Dutch, French, German, Spanish, and Swedish.

For further information contact Sharon Ossenbruggen, Louis C. Wyman Forestry Sciences Laboratory, P.O. Box 640, Durham, NH 03824 (Phone 603-868-5710)



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Division and Chapter News

MARYLAND/DELAWARE NEWS

Our annual Winter Meeting was held November 20th in Annapolis, MD. An excellent talk was given by Hank DeBruin on Communications in Forestry. Jim Burtis spoke on Legislation Affecting Forestry, and Kevin Donnelly spoke on Continuing Education Credits.

Our new Save the Bay (Chesapeake Bay that is) T' Shirts are in and for sale. Anyone wishing to buy them may call or write. Dwight Fielder, 7712 Hanover Parkway, #103, Greenbelt, MD 20770. Phone (202) 433-3586 (work). Price is \$6.50 each or 2 for \$12.00.

Silver Hardhat for Tjaden

Delaware's Forest Service Sussex County Forester Robert L. Tjaden was recently presented with a silver hardhat signifying his certification of over 50 Tree Farms into the Delaware Tree Farm system. The hardhat, presented at the 8th annual DelMar Va Forestry seminar, was given to forester Tjaden by the Delaware Tree Farm Committee chairperson Jeff Fisher of Glatfelter Pulp Wood Co.

Delaware Forest Service Fire Training

Propane fire control training was the topic of a three-day training session sponsored by the Delaware Fire School. The session was attended by the entire staff of the Delaware Forest Service and involved classroom and real fire experiences.

Forestry and the National Agricultural Forum

Kevin Donnelly attended the National Agricultural Forum in Washington, D.C. Sponsored by the Charles Valentine Riley Foundation, the purpose of the forum was to address the theme "The Health of the Land and It's People." Following a day of keynote speeches by such notables as Governor John Carlin of Kansas and USDA Secretary Richard Lyng, the participants spent the second day in small groups discussing key agricultural and environmental issues.

In a workshop entitled "Farm/Forestry Integration," moderated by AFA's Neil Sampson, Georgia State Forester John Mixon emphasized the opportunities for tree planting in the southeast under the umbrella of the Farm Bill's Conservation Reserve Program. Mixon felt that not since the days of the Soil Bank has forestry had such an opportunity to plant trees on marginal cropland throughout the country.

At the same time he felt that forestry must continue to improve the markets for low

grade hardwoods. Without adequate markets, exploitive harvesting practices will continue in our hardwood forests, prolonging a trend in reductions in hardwood productivity and quality.

Other topics discussed were trends in private capital investments in forestry, reforestation costs, cooperative extension forestry education programs, and government financed reforestation programs.

Results of the workshop discussion were to be condensed and published in the proceedings of the forum.

KEYSTONE CHAPTER

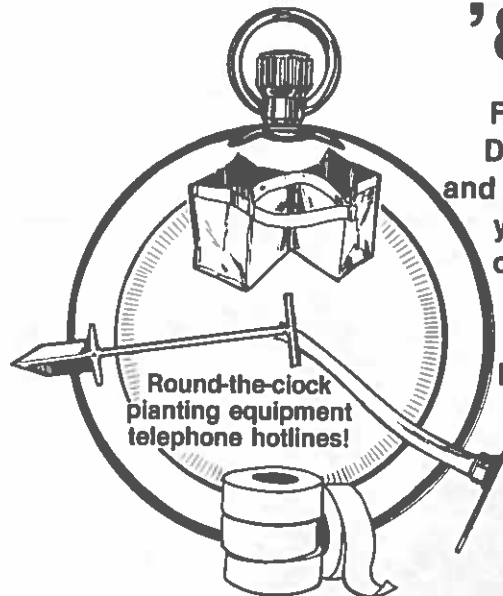
The Keystone Chapter held its annual fall meeting on October 16 at the Mont Alto Campus of Penn State University. The spouses and friends of the SAF members were invited to this meeting in an attempt to help them understand what a forester does.

Continued on Page 12

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Continuing their search for new and better ways to help the forester with his marking problems, these young pioneers went on to develop a paint marking gun that is recognized today as the standard around the world. This was followed by a paint hammer which is used to end-mark logs, a

permanent boundary marking paint in an aerosol can, and a gas-charged pistol that shoots marking paint in gelatin capsules a distance of over 75 feet.

Today, almost 40 years later, the Nelson Paint Company is considered the world's leading authority in tree and log marking paints and paint marking equipment. It maintains an on-going research program hoping to develop even better paints and marking tools for the foresters of tomorrow.

If you would like to learn more about NEL-SPOT Forestry Marking Paints and Tools, write for the NEL-SPOT PORTFOLIO, The Nelson Paint Company, P.O. Box 907, Iron Mountain, MI 49801, U.S.A.



Industry Monitor For Cross Country Ski Areas

by David Linton and Herbert Echelberger
Northeastern Forest Experiment Station
USDA Forest Service
370 Reed Road, Broomall, PA 19008

Most recreation industries tend to be seasonal, and many small recreation enterprises struggle for economic survival. They welcome any help they can get to improve their operations. Cross Country Ski Areas of America (CCSAA), an association of cross-country ski area operators, and the Forest Service developed a statistical reporting service, the Industry Monitor, to give cross-country ski area operators a picture of their industry's activity as promptly as possible, so that they can compare their specific area's operations with regional and national averages. The Monitor, if continued for many seasons, will also allow investors in this industry to make informed judgments about the financial health of individual operators and the industry.

Two issues of the Industry Monitor are sent to participating ski area operators every other week. Each provides, on a single page, data for one week on the average number of skiers visiting commercial cross-country ski areas, rental packages rented, lessons given, overnight lodging, snowfall, and kilometers of trail available. This information is reported on a regional and national basis and is further broken down

by weekday and weekend day. Summary reports are also prepared and published in Ski Area Management, the industry trade journal for the downhill as well as cross-country skiing industry. Participation in the Monitor from CCSAA members in the Midwest and West need to increase, however, to provide a reliable picture of business activity.

Initially, the Monitor was financed from \$10 fees paid by participating ski area operators. They were willing to continue this arrangement, but Ski Area Management felt it was worthwhile to pick up the costs. Now no costs are borne by the operators. It is a truly cooperative effort, with CCSAA coordinating, Ski Area Management funding and providing media coverage, operators contributing raw data every week, and Forest Service consolidating the data and preparing reports.

For further information contact Herbert (Skip) Echelberger, Forestry Sciences Laboratory, 705 Spear Street, P.O. Box 968, Burlington, VT 05402 (phone 802-951-6771).

Division & Chapter News --

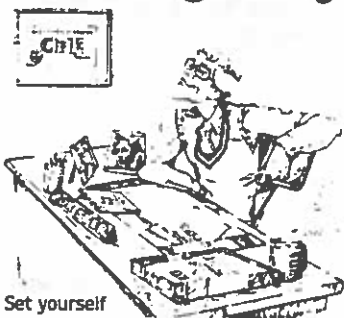
Continued from Page 10

The meal was served in the dining hall of the campus and it was prepared by the dining hall chefs. After the meal, the 45 attendees moved to an adjoining building for the business meeting and program.

Jim Nelson, Assistant State Forester, Bureau of Forestry, presented a program on the history of logging in Pennsylvania. Jim was able to emphasize the points of his talk by demonstrating techniques used by the logger. His collection of antique logging tools helped the SAF members and friends understand more about the early days of the lumber industry across the state.



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