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The year has finally come to an end and another issue of the Ames Forester has been produced - successfully, we hope! Time has really flown by while we were "learning the ropes", so to say, about producing such a magazine. Every once in a while, it seemed time had gotten away from us and we didn't think we would ever finish. But, alas, with the help of many others and a few late nights, we achieved what we set out to do.

Loran Ramsey and Amanda Benbow
This year we decided to focus on people in forestry; not only what they’re doing now, but how they got there. And so, we would like to extend our heartfelt thanks to those who helped make our theme, “People In Forestry” possible. The time that you took out of your schedules to help us, is greatly appreciated. It is because of your articles, that this issue turned out as well as it did.

As usual, we have included an article about this year’s fall camp and many other short stories. One story in particular, is about a student’s travels to another country; very interesting!

We would also like to thank all of the other people that helped us in any way they could - from writing an article to typing information.

 Needless to say, this issue would not have been done on time, if it had not been for the help of Tom Schultz. His computer skills and drive to help, allowed us to get much accomplished! Thanks Tom!

Last, but not least, we would like to thank Dr. Jungst, the chair of the department. He chose us, two novices, to be editors for the Ames Forester! What a chore he took on! Many questions and discussions later, we wonder if he thought he made a mistake - we like to think not! However, he never once turned us away when we needed help. As Dr. Jungst’s last year as chair, it has been an even greater honor to work with him this last time.

Again, we would like to express our thanks to all of those that pitched in and helped. We hope you had as much fun as we did! Enjoy the issue!

Tom Schultz and Cory Levendusky
Looking Ahead
PRESENTED TO AMES FORESTER

by BOB HOUSEMAN

As I sit here in my office reflecting back over the seventeen years of my career in Forestry, I am surrounded by numerous mementos from my past. A wooden carved dairy cow to remind me of my years at the ISU dairy farm where I was employed during and after my college years, a laser craft pen and pencil holder given to me by my fellow employees when I worked in Inchelium, Washington for the Colville Tribal Forest, pictures of a Boeing Vertol twin blade helicopter from Columbia, Helicopter pilot whom I had the thrill and privilege of working with on helicopter logging studies as well as wild fire suppression out west, several western and eastern pine cones, an appreciation plaque from my co-workers in the district where I worked prior to my current district here in North Carolina, reference books from my forestry courses taken at ISU (yes, believe it or not, they do come in handy from time to time), my diploma (to prove I really did go to college - and finished), and last but not least, pictures of my wonderful family.

My career in forestry actually started my freshman year at ISU in 1974 when, as an enrolled Fisheries and Wildlife Biology student, I sat in on a career opportunities session on forestry. The speaker was a visiting forester from Germany who was spending a year at ISU assisting with teaching and research of the department. This one individual, whose name I cannot remember, was so enthusiastic about forestry and so optimistic about opportunities in forestry as a career, that I decided then and there I was going to be a forester. Well, four years later, in 1978, I achieved that goal and have lead a rich and diverse life as a forester ever since.

In 1978, I not only graduated with a degree in forestry, but I fell in love with and married the former Susan Kleitch, a fellow forestry student. Between 1978 and 1979 while Susan worked towards the completion of her degree, I worked in Forestry Extension under the direction of Paul Wray. I, and fellow graduate Brian Huer, conducted urban forestry surveys across the state and completed a cruise data program under contract with the Mesquakie Indian Settlement. When Susan graduated in June of 1979, we were both offered positions in the State of Washington with the Colville Indian Reservation's forestry division called the Colville Tribal Forestry (CTF). Fellow ISU forestry alumni Mike and Terry Cloughesy (1978) and Rick Paris (1978) also accepted positions with the CTF, so ISU was well represented in the State of Washington. My employment and stay in Washington ran from 1979 to 1981.

My primary responsibility as Field Supervision Forester was to oversee woodland operations from the CTF’s eastern division office located in the town of Inchelium. Primarily our office located, cruised and let out bids for commercial and precommercial thinnings in Douglas fir and western larch stands. Susan and I had the distinct opportunity of training and working with numerous members of the Colville reservation. Learning about someone else’s cultural history and living on their lands was a unique and rewarding experience, to say the least. Three other exciting events took place during our stay in Washington. I had the special privilege of working along side fellow ISU classmates Mike, Terri, and Rick while we conducted a
feasibility study on the use of helicopter logging in steep, rugged terrain Mt. St. Helens blew her stack on May 18th, 1980 spewing 1/2" of ash on our location of the state, and the most exciting of all, I became a father with the birth of our first born son Nathaniel.

In 1981 Susan had decided to relinquish her duties as a forester in exchange for the much higher calling of motherhood and I chose to pursue studies in biblical training. As a Christian, I wanted to strengthen my understanding of God and challenge the foundation of my faith, so we packed our bags and moved back to Ames where, for three years, I enrolled in a ministerial training program at our former local church while working full time at the University Dairy Farm. While on my self-induced sabbatical from forestry I grew in my Christian faith and we grew as a family too.

In 1982 and 1983 we had our second child, Adam, and third child Esther. Esther, being our only daughter also claims the fame of being delivered by her Dad in the tiny bedroom of our tiny home at 1111 North Street in Ames. Of course, Mom's got the honor of pulling that feat off without a hitch.

Following those three years where Susan and I both experienced spiritual growth, as well as physical growth in the expansion of our family, I decided it was time to reenter the track of my forestry career. With the timber market in a serious slump out west, I decided my best chance for employment was to pursue opportunities in an ever expanding market in the southeast. I applied with three southern states and within two weeks received an invitation to interview for a position with the State of North Carolina. Exercising the faith I had just spent three years developing, I accepted the invite and drove 1,200 miles to Raleigh, North Carolina for a one hour interview. Little did I know then, that my application and resume was only one of ten out of a total of 100 applicants selected for an interview. I was cautiously optimistic about my chances since I had been out of forestry three years and on top of that I was an out-of-state applicant. My faith and determination paid off as I was offered the position of Service Forester with the North Carolina Forest Service in June of 1984.

Once again my wife, ever so faithful and supportive, and I would make the decision to pack our belongings, sell our home, step out in faith, and make another cross country journey, this time to the southeast, in pursuit of the dream we had both shared at ISU years earlier. The leap of faith, so to speak, was not without understandable apprehension and certainly not void of obstacles and pitfalls along the way. But God has blessed that decision made eleven years ago, this spring providing us with one more addition to our family, Brian, born March 1986, and me with two promotions from Service Forester to Assistant District Forester and Currently District Forester in the largest district in the state. (Susan also received blessings of opportunities brought on by the Persian Gulf War, but that is her glory to share in an adjoining article of this same publication).

North Carolina is a diverse and prosperous state where forestry is concerned. The birthplace of American forestry, North Carolina is richly forested with eighteen million acres from the mountains to the coast. The North Carolina Forest Service plays a dynamic role in the protection, management, and development of the state's natural resources. As District Forester I am charged with the responsibility of overseeing all of the Division's program
services throughout a six county area. With a work force of over 100 personnel and half a million dollar operating budget, my district provides protection to two million acres of forest land against wildland fires, insects and disease, training in wildfire suppression tactics to Division, industry and volunteer fire department personnel, professional and technical advice to non-industrial private landowners for the management and regeneration of their forest lands, support services in the administration of federally funded cost-share programs, disaster relief services to local county emergency units, the enforcement of the state forest laws, and information/education programs through our state forests and local county organization.

I have taken time to list many of the program services provided by our agency to illustrate that a forester must eventually learn to wear many hats. During my career I have been a field forester, teacher of forestry, supervisor, personnel manager, administrator of budgets, researcher, firefighter, law enforcer, public speaker, and forever more, always a student learning more with every new day. Forestry is an exciting, challenging career with diverse opportunities. It doesn't make you rich monetarily but it does provide a rich lifelong adventure.

My career in forestry which started in that classroom at Iowa State University 21 years ago has richly blessed me with a wonderful wife, four great children, a great educational foundation, five forestry positions with three different employers over three different geographical locations of the United States. And at 41 I've only just begun!

Bob Houseman ('78)
In 1978 I managed to be selected to use my superior research talents for Dr. Sandy McNabb in a 25 state collection trip for a joint ISU - U.S. Forest Service mychorrizae study in 1978. Or was I selected perhaps because there were no graduate students available to take the job and Dr. McNabb had lived next to my parents in Pammel Court before I was born? How fortuitous yet again.

As graduation neared, I applied to work with the Colville Confederated Indian Tribes out of Neapelem Washington. Was this out of my deep desire to train the Native Americans of eastern Washington to be forest technicians and because the tribe respected my newly acquired four year degree? Or was it because I was in the right place at the right time? My husband Bob had just been hired by the same tribe and would coincidentally be bringing his forester wife with him in a few weeks. Quite fortuitous, wouldn't you say?

I decided to cut short my position with the tribe when I spent most of my workday mornings on the winding mountain roads being sick out the window. Bob and I had been married less than a year when I found out I was expecting our first. Climbing around in the tops of 150 foot conifers to collect superior cones was not to be. Fortuitous thing? I didn't think so at the time.

I had been determined to be a forester. I was proud of the fact that I had never had to flip a burger or punch a cash register to finance my education in forestry. I had always worked in forestry. However, I was also determined to come home with my children as they needed. Therefore, when I was seven months pregnant, and my spiked boots could no longer keep me from sliding headfirst down the mountains in the snow, I was switched to office work. When my time came, I left. The walk from home to office was only about fifty yards but it was infinity for me now. I had no guarantees that I would ever be able to return to forestry. Had I acquired enough experiences to be considered a forester when I attempted to return to my profession?

Time passed. My husband got a professional forestry job with the state of North Carolina. My welcome to the state was a bite by a poisonous eastern copperhead snake in the first year. On the bright side, I noticed that the local community college had a mountain dendrology class. It even had a two year degree program in forest technology. My internal calendar told me that my career hiatus should be coming to a close. We now had four children with about two years between each. The last one was approaching school age. Ten years had passed. Time to write a letter.

I made a "cold call" by mail to the full time forestry instructor at Southeastern Community College in Whiteville, North Carolina. Who knows? Maybe he needed an assistant. I got an extremely brief no thank-you from this sole instructor of four or more classes per quarter, four quarters per year. He said he needed no help. I sat back to await the arrival of the day when I would take my last child to kindergarten, come home alone and ponder just how clean my linoleum floors needed to be. That day never arrived.

Eight weeks after I sent that letter, Desert Storm broke out. The busy man who needed no help teaching forestry classes was also a specialist in nuclear, biological, and chemical warfare. At 57 years of age he was reactivated into the Army reserves with 48 hours notice. Guess who was the only professional forester with her resume on file? How fortuitous!
At 12 noon on a Thursday I got the job offer. At 8:30 am on the following Monday, I taught six hours of forestry classes, including a four hour lab on heavy equipment. Send your cards and letters care of this magazine if you think you have ever been as challenged on the job as I was that first day. I recall hearing one of the speakers in the “Women in Forestry” seminar at ISU relate her feelings upon finding herself unable to winch her vehicle out of a remote ditch. At least she didn’t have 45 young men in their late teens and early 20’s come upon the scene thinking it might be sporting to see if they could keep her stuck. You might think that I would have been relieved when the full time instructor returned from Desert Storm in eight short/long weeks. I was thrilled that they kept me on. I taught one forestry class per quarter for the next two years. I won a grant to create a public forestry presentation exploring a special timbered land form indigenous to the area (Carolina Bays). I began to play up the undergraduate minor I received at ISU. I was accepted into the Master of Business Administration degree program at the University of North Carolina. I began to teach a Human Relations course for foresters at SCC. I took a course in computer software and became addicted. I took on a computer class for forestry and recreation students. I taught canoeing trips. I tried to make myself indispensable. I rejoined SAF and joined the NC forestry Association. By this time I did have a full time teaching contract but only half of it was forestry classes. I was not the advisor for the forestry students and I did not run the program. At this point, the full time forestry instructor decided to retire early. I got the job.

I am now the sole forestry instructor for one of three forest technician programs in the state of North Carolina. Enrollment is the highest it has ever been. The largest pulp and paper mill in the world is just to the east. The largest contiguous pine plantation in the world is in my district. The oldest trees (Bald Cypress) east of the Mississippi are on the Black River where I canoe. I am hour from the beach and six hours from the mountains. I believe I fell into something good. I could stay here thirty years and never run out of things to do.

Was the situation simply fortuitous this time? I don’t think so. For the first time in my forestry career I knew what it was like to pursue a forestry job through determination and long hard work. Hours of heartfelt talks with my husband and hours of prayer inspired my efforts. God held out a present for me and I will never forget it.

"Blessings On Thee, Little Man —"
By George Wilhelm

“How did you get to where you are today?” is a conundrum presented for consideration and clarification. The answer is that I have no idea, except that I have been the recipient of many blessings along the way, which supported dedication to the task at hand and a “fruit bearing” attitude in all things. Basically that covers it, but read on.

I attended Iowa State when it seemed the goal was to take the Junior Forester’s Exam on graduation, hoping to pass in pursuit of an appointment in
the Forest Service as a Junior Forester at a salary of $2000 per year. Bear in mind, that was not bad in 1937, not bad at all.

However, I had in mind 1957 and beyond. Then came George Hartman to the faculty out of private industry and he lent considerable support to my thinking. Blessing number one.

Jobs in private industry were scarce in those days but good friend George, came up with two prospects, one of which was R.S. Bacon Veneer Company in Chicago where I had sworn never to live. Not only was the pay (40¢ per hour) better than the only alternative, but I visualized the business to be very interesting with good potential. So I went to work for Joseph F. Mertes, President. In due course, this turned out to be blessing number two.

Then came to pass blessing number three, a supportive wife who would “hang in there” for 57 years and be willing to “bet the farm” when necessary.

Now, retrospect sometimes breeds tolerance and has the advantage of reflecting the whole picture. However, I have to say Joe gave me many bad moments in 26 years, but every time I considered leaving, as others did, something went awry. Blessing number four. However, on the other hand, I have always had to recognize that Joe was very tolerant of my ideas, some of which did not turn out to be exactly brilliant. As an employer, I have tried to apply this philosophy without the “bad moments”.

Robert S. Bacon started the Company in 1898. He sold it before World War I to Mr. Scott and, upon his death salesman Joseph F. Mertes purchased the company in 1929 and encountered The Great Depression which he survived.

I tried to make myself “indispensable” as soon as possible and during World War II we were cutting aircraft and marine veneer. Joe never asked me to do it, but in one year I worked 364 long days watching two shifts and giving attention to plant and equipment development. Not much had been done in the Veneer Industry and there was a wide open invitation to innovation. That might be considered dedication to the task at hand, but I liked the business and opportunity was obvious. Blessing number four.

Post World War II years were good and also supported some more misadventures along with considerable growth and production advancement.

The time came when Joe wished to sell the company. Buyers were not standing in line. Finally, in desperation (sorry to say), he agreed to let me “have a shot at it”. Blessing number five.

Then in 1963 we took the helm and, in due course, nephew James McCracken graduated from Iowa State and “took to the veneer business like a duck takes to water”. Blessing number six. I might add here that I hope I have treated any of his “misadventures” with at least as much tolerance as I enjoyed.

So here we are, approaching the century mark. It has indeed been a great ride, rough spots and all, and I hope I have been of some comfort to all the passengers,—an important factor.

A blessing, good luck, good fortune,—call it what you will. In a football game they say you make your own breaks, and so it may be, but this follows dedication to the task at hand.

Along with the major blessings, to me came apparently an abundance of guidance at almost every fork in this road of life. That is essential and only to be hoped for.
In retrospect, I should have terminated with paragraph one.

George Wilhelm ’37

Lately
By Patrick M. Gibbons

May 1993. I screamed, “It is done!” In a moment I was actually hoping to purge my mind of all knowledge and experience. That “moment” passed quickly. I did not “do” the past four years for nothing.

After graduation it was my intention to relocate to the twin cities. I needed a job. Urban forestry was one of my interests and since I would be living in a metropolitan area, it made sense. I dilly-dallied around until I found myself signing a lease to rent a house. I still had no job and had to act fast, as my checking account was drowning in emptiness. Looking up “tree”, in the Minneapolis yellow pages, I called the first company that popped up, Arborists, under “A”. I talked to a paging service and left my Waterloo phone number. The next morning I received a call from the manager of the Arborists, saying he was looking for someone with a forestry degree. We set up an interview and shortly afterwards, I was hired. Thank God!

The Arborists is a tree care business. Our services include: tree and shrub pruning, Dutch elm disease prevention, fertilization, and cabling.

Trees and shrubs often need pruning to:

- ameliorate construction damage
- remove deadwood
- remove crossovers and other “problem” branches

We fertilize trees to:

- alleviate construction damage (we can also aerate these trees)
- help trees cope with stresses related to pollution, disease, and insect problems

There are several large elm (American and Red or Slippery) trees left in the cities. By injecting them every two to three years with Arbortect 20-S, systemic fungicide, we can prevent the disease.

Cabling is done to highly valued trees in order to prevent the tree or a major branch system from splitting apart at a weakened crotch.

These services can be reported on with much greater detail, but I wanted to give an overview of what we do. There are a few other services, but these are the major ones.

I have seen the business from the bottom up. Dragging and chipping brush to consultation and sales. And though the dragging and chipping of brush has typically been my least favorite, it has rendered me fully aware of how the business works.

In order to do a job with any amount of heart, one must adopt a personal philosophy to be abided by within one’s own moral code. I have been developing a philosophy and have even been trying to incorporate it into my dealings with customers. This philosophy helps justify the manipulation of trees by man in the urban setting (sure to be a best seller). This is a lead in to the manipulation of trees by man in the natural setting: justified of criminal (later). Urban settings are set up around existing trees, or trees are planted around urban
settings. These are the only possibilities. Even when trees and buildings are planned and constructed simultaneously, the trees are always considered secondly. Either way, the tree is not in its natural setting. Because of this, we must study the interactions between trees and other natural landscape features within the urban setting. It is our responsibility, then, to intervene and care for trees and other plants to the best of our ability. I am an Arborist or a forester, or maybe just a knowledgeable intervener.

Lonely and pretty
a tall oak stands alone with
disgusting buildings
There does not have to be just one oak
and the buildings need not be disgusting.
I do not know where my current career path shall lead me, but wherever it does, I’ll be there.

Forester - From Dream to Reality
By Sharon Abrahamson Kyhl

In 6th grade I gave a speech that I wanted to be a forester. Ten years later I received my B.S. in Forest Resource Management in college. I worked seasonally in fire with the BLM, on a TSI/Stand Exam crew in Idaho on the Clearwater National Forest, and as the Environmental Ed/Work Project coordinator for a 40 person YCC camp on the Arapaho/Roosevelt National Forest in Colorado.

In June, following graduation, I landed my first job at the headquarters of the Frank Paxton Company in Kansas City, purchasing exotic hardwoods from around the world. I was fortunate to have a job, but was not cut out to sit behind the desk. Much to several professors’ chagrin, I resigned six months later and was off to Colorado.

I investigated starting my own business with several classmates doing Stage 2 Inventory for the U.S. Forest Service. However, I needed money, and decided to take another seasonal job in timber sale layout and cruising on the Routt National Forest. It proved to be a good move. I gained some great seasonal experience. I was hired that fall as a permanent employee - not as a forester, but as a receptionist in Steamboat Springs at the Supervisor’s Office. The Forest hired at least five of us through the backdoor and we were all able to gain Forester conversions within the year.

I then transferred to Kremmling, CO as a Pre-sale Forester and Timber Sale Administrator. I completed several environmental analyses for timber sales, laid them out, cruised them, and then even got to administer the sales. You learn a lot when these old loggers are showing you where you “screwed” up and what looked good.

I became a Sivilculturist after the FS sent me back to school at Arizona State, Utah State, and Colorado State. Before I was actually able to put it all into practice, I had and opportunity to go into range conservation and recreation on the same District. It was a challenge that I thoroughly enjoyed. Not being much of a horsewoman, I had a lot of ranchers put me to the test in a lot of rough country. I must have passed the test, as I’m still alive!

Meanwhile, I fell in love with a fellow Forester Clint Kyhl, from Iowa State and we got married. He got in the door as a clerk on the District and then got a Forester offer on the White River National Forest. They had a Sivilculturist position on the adjacent
district, so we made the move. We both gained some new experience, but I was getting tired of the 40 mile commute each way, especially after we had our son, Keith.

There was a recreation position being advertised on the Pike/San Isabel National Forest that I was interested in if there was something for Clint. They thought they could get him on an adjacent District, but it was a terrible commute. They didn't give up and were able to move another employee who was ready to transfer to make room for us. We ended up taking two of the three staff positions.

I had the recreation, fire, roads, and law enforcement program and since then have become more specialized in recreation, wilderness, trails, special uses, rural economic development, and heritage resources. There is a lot of community involvement and grant writing, so it is a real challenge.

Our District was also one of the creators of the Wilderness Box Curriculum that has gone nation-wide. Much like the Project Learning Tree, this goes one step further by having a trunk of teacher/student materials consisting of skulls, skins, books, videos, and other ecosystem materials. I'm also responsible for the Wilkerson Pass Interpretive Center which receives over 150,000 visitors in the 4 months that we are open. It is the base for all our interpretive programs that are scheduled throughout the District at 21 campgrounds.

Meanwhile, we had another son, Craig. I feel fortunate to be both a mother and a forester. The Forest Service has been wonderfully supportive of our dual career and family, and though we are not moving up the ladder as quickly as some, we feel our quality of life and the challenges we face are exciting.

I really believe if you want something bad enough, you will succeed. But it takes a lot of hard work - going beyond the call of duty, even as a seasonal. So many college students we hire for the summer now have the attitude that we owe them something. It's extremely competitive to get a job in these times of downsizing and if I have an employee with a good attitude - going the extra mile to complete the job, and not whining, - they are going to come out ahead.

I also believe it's important to be actively involved in your professional society - Society of American Foresters. This can be extremely beneficial if you are looking for jobs as you have the opportunity to meet private consulting foresters, state and federal foresters, and academia. It's a great network to belong to, but it takes a commitment on the member to make it worthwhile.

Best of luck to you all.
Experiencing Myself in Belize: Adventures of Studying Abroad

South Water Caye
Belize, C.A

April 18, 1994

Another beautiful day...we went snorkeling today after class. This water is absolutely fantastic...I believe I am overcoming a deep seeded fear of the "Deep Blue." Today, Heidi spotted a nurse shark on the reef and pointed it out to me while we were in the water. Surprisingly, I was anxious to see the shark, and felt a bit disappointed after it left. I'm feeling a growth and change inside of myself - something I believe this secluded caye has brought out. Although I am excited to get home, I dread the day we have to say good-bye.

Caribbean coast, Mayan mountains, tropical jungle, Creole food...words cannot explain a three month stay in Belize, Central America. The journal entry above celebrates the aqua-blue waters off an island in the barrier reef where I spent the latter part of my Spring '94 semester. After telling professors and classmates about snorkeling following class and lying on the beach in the late afternoon, the first question asked was, "What did you actually study down there?" To try and explain, one must move from the classroom to the outside world. From there, the Central American experience presents itself in full.

The study abroad program, Belize: The Adventure Coast, is sponsored in part by Colorado State University and The University of Belize. In February 1994, I united with fifteen other students in Ft. Collins, Colorado, to finalize plans for the trip. We then loaded two university vans and headed south of the border for a week long road-trip through Mexico. The deep brown eyes of children playing near the rivers, or the packs of skinny malicious dogs overtaking streets at night, are visions I clearly remember. This marked the beginning of an experience that would forever open my eyes to the plush comforts we, as Americans, enjoy.

Mexico is a country rich in culture. I found this to be especially true along the southern coast of the Gulf, where the pride of the people is reflected as great hospitality. After we arrived in the small town of Santiago Tuxla late one evening, locals opened the local discotecha in our honor. Only after being spun across the dance floor by an older man for most of the night, did I find out the next morning that I had been dancing with the mayor of the village.
Once in Belize, we settled in a local resort near the capital city of Belmopan, where we had strong connection with the Belizean government. Our group met several politicians and also received a lecture one afternoon by the former prime minister. We even waved to Queen Elizabeth on her whirl-wind tour of Belize, the former commonwealth known as British Honduras. Our stay was coordinated by Ann Belisle, a transplanted Canadian, whose husband Richard Belisle (a local Belizean) is the immediate assistant to the Minister of Natural Resources.

Although national radio announced our arrival several times, much of our notoriety came from two members of our group one evening during a televised talent show in the town of San Ignacio. After listening to the music of the local talent, we were shocked and amazed to hear a heavily accented voice announce, "...and now what you've all been waiting for - from Colorado, it's Crockett and Jesse!" Then with incredible humor, Crockett and Jesse performed a song of Spanish nonsense for the cheering crowd, as well as live national television. Later on in the trip, we would be identified as the "Crockett and Jesse" group from Colorado.

Our travels included the entire county of Belize and parts of Guatemala. We visited Belize City in the north, and attended lectures on the history of Belize, as well as learning about recent business and residential development pressures. Our group also spent a considerable amount of time in the capital city of Belmopan. In Belmopan we examined the government, paying special attention to the natural resource department. We then went to San Ignacio and focused our attention on eco-tourism and the impacts tourism has on nations such as Belize. We learned the names and many medical uses of plants and trees in the tropical forests from our guides. We also spent four weeks in Mountain Pine Ridge, an area with unique mixtures of tropical hardwoods and Caribbean pine. After conducting a series of plots in this area, we compared the difference between the granite soils of the upland and the limestone based soils of the bottomland. After class we enjoyed cave spelunking and swimming in Rio On Pools, a granite based river much like those found in the Rocky Mountains - without the bite of frigid water.

One of the semester's main projects was visiting a rural schoolhouse in southern Belize to present several topics dealing with environmental education. We students worked in pairs with groups of children as young as four and old as sixteen. Since many of the children spoke a low Creole dialect, they had a hard time understanding our flippant American tongues. We relied on activities, visuals, and games - anything we could do to get our point across. By incorporating
teaching with an understanding of their culture, we sought to stress importance of Belize’s natural resources and create an awareness of the current demise of many local ecosystems. It was an excellent learning experience for all of us.

Throughout the semester, we traveled to various Mayan archaeological sites, ranging from small temples to the mysterious and impressive city of Tikal, Guatemala. We studied the history of ancient Maya not only in the classroom, but by visiting sites and talking with leading Meso-American archaeologists. In the ancient city of Caracol, we witnessed the uncovering of a new found burial. I stood in wonder and fascination as I watched the young archaeologist brush dust from the bones of a fetal bound human body. The experience was overwhelming as I realized these ancient people actually existed. They lived and breathed like any of us. Fascination and mystery surrounded each site we visited. It was as if the ghosts of the Maya empire were still standing atop of their magnificent temples.

Off the coast of Dangriga, the white island sands, the palm trees and the aqua blue waters provided (by far) the best classroom I have ever experienced. It was the perfect place to end our Belizean adventure. On this small island, we were able to seclude ourselves and reflect upon the trip and its meaning to each of us. Although I was away from home for only three months, I will never again think of Iowa in the same way. I am now in tune not only with the culture of another country, but I recognize the culture in each new place I visit. Yes, even Iowa has culture. This new found appreciation compels me to continue my travels abroad, but Iowa will always be home.

Megen J. Dvorak
3-7-95

SUMMERCAMP 1954
A 40 YEAR REUNION
By Bill Warner, ’57

Ever wondered what became of all those “wanabe” foresters who suffered through two months of summer camp with you 30, 40, or 50 years ago? The Summercamper’s of’54 found out and in the process, learned that we still have something very strong in common - a very memorable Forestry Summer Camp experience.
Summercamp 1954 was held in a high mountain meadow in the Snowy Mountain Range, west of Laramie, WY in the Medicine Bow National Forest, 25 miles SE of Saratoga. 29 students, a staff of five and two cooks spent that summer camped out in tents - the last Iowa State Forestry Summer Camp to spend the entire summer under canvas.

Last August, 14 participants of that Summer Camp, along with spouses and friends, got together in Saratoga for a 40-year reunion. And what a reunion it was! On a scale of 1 to 10, it ranked about 15! Everyone had a great time renewing old acquaintances, re-visiting our old campsite, recalling and retelling tales and legends of summer camps past.

Those who came:

Dr. Dwight Bensend - Hale, MO
Duane Breon - Kiron, IA
Jim Bulman - Cambridge, IA
Jim Haygreen - Manning, SC
Jack Koning - Madison, WI
Leon Kridelbaugh - Rolla, MO
Paul Mumm - Ames, IA
Don Omodt - San Mateo, CA
Fred Omundson - Charlotte, NC
Jack Peyton - Phoenix, AZ
Don Schramm - Roswell, GA
Mary K. Schwarte-Sirosis - Ithaca, NY
Norm Temple - Apple Valley, MN
Bill Warner - Lake Oswego, OR

The reunion “officially” began the evening of August 10, but it really started the morning of August 9 when Leon Kridelbaugh and I met there a day early to see if we could re-locate our old campsite in advance of our hoped-for August 11 reunion picnic. Also, Leon was sure he could find his old fishing pole that he left leaning against a spruce tree behind his tent 40 years ago.

Guess who was already there? 83 year old retired Dr. Bensend! He got there August 8! Not that he was excited about the reunion, but in order to attend he flew his granddaughter up from Texas to drive him and his wife from Missouri out to Wyoming, plus he bought a new Buick just for the trip, and he arrived two days early! Said he wanted to do a little research with the local Forest Service personnel on relocating the old campsite. He didn’t meet with much luck, though, and by the time Leon and I got there he was disgusted with them for not recognizing the meadow that had a spring in it, that he described to them. The one he had personally located and selected for our campsite 41 years ago (originally for the 1953 Summer Camp).
Leon and I decided we would have a go at locating it. We asked Dr. Bensend if he would like to go with us, and before we knew it, he had his boots on, trusty walking stick in hand and was in our vehicle ready to go. He was determined. After expending some considerable effort just to get to Wyoming, he was not going to be denied re-visiting “his” Summer Camp site.

And, by golly, he wasn’t! We found it. Old Mullison Park, site of Summer Camp 1954 (and 1953); but we had to walk about a mile to get into it, there not being any trace left of the old camp road. And we no more got in there when it started to rain, so we had to hustle out. Dwight was disappointed not to be able to walk in with us, but he didn’t get wet, either. In the process, though, we discovered a new road that would allow us to drive up close to the “backside” of the meadow from where we could walk a short distance through a stand of Lodgepole Pine right into “our” meadow. That meant, weather permitting, we could hold our reunion picnic there as planned.

That evening, several more ’54 Summer Campers showed up, and over dinner and after an evening of Dr. Bensend’s hilarious stories of Summer Camps past (he was the star attraction of the reunion), we decided to check out the meadow again in the morning to make sure everyone could get in there for a picnic the following day.

The next morning six of us re-visited the old campsite in beautiful sunny weather, and we were overwhelmed! The meadow was essentially unchanged, remaining just as it was 40 years ago! Hard to believe. Beautiful, serene, quiet, and peaceful, with Doc’s spring still there, feeding fingers of water running lazily through the meadow.

That evening after the balance of our group arrived, we officially started our reunion with a BBQ dinner. Our get together before, during, and after dinner was an event to remember. A lot of memorabilia, photos, one surviving Biltmore Stick, etc., were on display and copies of a Book of Memories (put together by Lee Andreas) were distributed, containing letters from 22 former campmates and staff (tracked down by Jim Bulman). Many stories (legends?) were told. Overhead frequently was “do you remember...”.

Dinner was great. The food was good. Steaks were 3” thick. Table decorations provided by Mary Kay were neat (pine, fir, and spruce boughs with cones; and wild flowers that she had gathered that morning from the old campsite meadow, nicely arranged in tall beer bottles we had emptied the night before). After dinner we reminisced over a presentation of color slides taken during camp in 1954 by Mary Kay and Don Larson.
Highlight of the reunion was our picnic in the old campsite meadow on August 11. The weather was absolutely perfect. All 30 in attendance walked into the meadow. Dr. Bensend re-located his spring. Haygreen, Schramm, Omodt, Peyton, and Breon found our old latrine site (now classified as a potential archeological dig). Temple pointed out where the old camp road was. But Kridelbaugh’s fishing pole is still out there someplace. It couldn’t be found.

Many declarations were made as to where individual tent sites had been. Many were “positively” identified, notwithstanding that former tentmates pointed at different spots. One tent had all occupants in attendance at the Reunion - that of Koning, Kridelbaugh, Omundson, and Peyton.

It was very nostalgic re-visiting our old campsite meadow, still beautiful in its setting. The grass was thick and green with occasional wild flowers poking up. the spring-fed brook still meandered its way down through the meadow to join up with icy-cold Brush Creek where we took occasional, very quick baths 40 years ago.

After our picnic, it was tempting to stay at the meadow the rest of the day; but time came once again, almost 40 years to the day, to say good-bye. Perhaps we’ll do it again, maybe in five years. Got to find Leon’s old fishing pole.

“With beauty before me,
May I walk
With beauty behind me,
May I walk
With beauty above me,
May I walk
With beauty below me,
May I walk
With beauty all around me,
May I walk
Wandering on a trail of beauty,
Lively, I walk.”

-Navajo Indians
Seasons

I am the man of seasons,
I tell the grass to grow.

I am the man of seasons,
I tell it when to snow.

When I am morose and full of pain,
I open up my eyes, and let down the rain.
In the mist of happiness, I flood the skies with
golden rays and fill the creatures with song.

In the spring, when the flowers are in
bloom, the mountains are illuminated by the
light of the moon.

And in the fall, when the chilly winds blow,
that is a sign that the birds must go.

I am the man of seasons,
I tell the sun to shine.

I am the man of seasons,
Where all the children are mine.

-Cory Levendusky
Southern Appalachian Ridge-top

There are many wooden structures growing tall and growing strong. Their arms reach upwards to the heavens, stretching, climbing, trying to capture the sun. They were bearing textile gifts of many different colors. These gifts now lay beneath them shredded and torn.

Orange, Yellow and Red are the colors of their tears.

They are still praying, and they are still wishing for the sun to accept their gifts. Some trees are green, and do not fully understand how to dye their gifts for the sun. They can only hope that one day the sun will accept their offerings, their sacrifice.

The echoing song of a bird is bouncing off the clouds above me. This song is rapidly sending me into a conciseness of peace and enthusiasm. Rolling mounds of soil, both living and dead, always changing, and acting as a purifier for many systems of life. They are ashamed and show nothing but their backs to me.

Jewel weeds are greeting me with a wave, I wave back, and thank them for their kindness. They continue to wave, giving me a warm feeling, that sends the cold forces that hide in my bones, far away.

The age and wisdom of the stump above me is respected by all who know him. And the damp, musty smell of his thoughts make a home in my heart. As a blue-jay has his way, and as he caws for more to plunder, the blueness of his feathers lets him appear as a blue comet, searching for a galaxy to soar.

As I look deeper into the sole of the woods, I saw a white tomb, or should I say a memorial. The swirling shape and its round figure remind me of the time when things did not move so fast, and life was slower, giving you a chance to close your eyes and dream.

By Cory Levendusky
Fall Camp
Fall Forestry Camp

The 1994 fall camp at the Solon Dixon Forestry Education Center in southern Alabama could not have been better. Though it went quickly, the three weeks that we spent down there were unforgettable.

The camp, which was nestled in the Conecuh National Forest, had many things to offer us. There was a very diverse collection of flora and fauna as well as many geographical points of interest.

One area within the camp was the cypress swamp which was home to some of the oldest trees in the state of Alabama. The beautiful old giants had huge buttresses to keep them upright in the soft, murky bottom of the swamp. Next to the swamp we discovered a small grove of bamboo. It stood as high as twenty-five feet tall though it was only about an inch and a half in diameter. There was a three mile hike to get down to see the area, and as many of us found, it was well worth it.

Another interesting feature of the camp was the cave. Three of us attempted to explore it one night and the task proved to be more difficult than we had thought. The roof of the cave was so low that we had to crawl most of the way and were forced to turn back when the cave narrowed to a point where we couldn't get our waist through. It was a neat cave though, with a few interesting formations of stalactites and stalagmites. One of us found a flint arrowhead at the mouth of the cave, suggesting ancient Indian occupation.
Dr. Hall and Dr. Kuo did an outstanding job of planning our daily activities. While we were there we saw many different aspects of forestry in the south including the T.R. Miller Lumber Company, Georgia-Pacific plywood plant, Black Water River State Forest, Scott Paper company, and Eglin Air Force Base, as well as many other places. The highlights for me included seeing feller-buncher logging at a few of the places, plywood being peeled from southern pine logs, and boating up the alligator infested Tensaw River Delta to see a brand new half million dollar helicopter transport logs for the Scott Paper Co. logging operation.

One thing that was interesting to note about the forest products industry in the south was the enormous volumes of timber that each company would process daily and that, in many cases, they were still growing more than they were harvesting.

Some of the interesting species we encountered during our stay included the Red Cockaded Woodpecker, White Topped Pitcher Plant (which are carnivorous), Gopher Tortoise, and a few species of snakes such as the coral, rattle, and indigo... and who could forget longleaf pine.

One experience I will never forget was conducting a prescribed burn on a southern pine forest. A drip torch was used to start the fire and when the wind would take it, the ensuing conflagration would consume the forest understory. It was spectacular to see the flames crawl up the trunks of the pine trees. Later that night the forest floor could be seen still glowing with hot embers.
Our nights at Solon Dixon were spent playing ping-pong, running into town to do laundry, writing in our journals, having campfires, or sitting on the porch swing shooting the breeze.

When the weekends came, we headed down to Florida. After the first weekend, everyone came back as red as lobsters. The white sands and cool blue ocean at Fort Walton Beach made for an excellent spot to relax in the sun.

The last campfire was a perfect top off to the experience. It was held down at the cave and even Dr. Hall and Dr. Kuo decided to come. We all had a great time sitting around the campfire chatting and eating marshmallows.

The next night, before we pulled out of camp, we were given a Halloween party by the cooks who could not have treated us better during our stay.

Solon Dixon has so much to offer and it is good to know that we left a good impression on them so that future fall camps may be spent there. It is truly a great place and the memories of the experience in Alabama as well as the friendships that were forged, will last a lifetime.

Now I see the secret of making the best persons, It is to grow in the open air and to eat and sleep with the earth.

-Walt Whitman
Club Activities
Forestry Club—The Year in Review
By Brian Flage

1994-'95 Officers
President - Brian Flage
Vice President - Susan Borts
Secretary - Cory Levendusky
Treasurer - Ben Wehrspann
Sr. Ag Council - Jason Sable
Jr. Ag Council - Joel Skelley

Looking back at the past year for the Forestry Club, I can be truly pleased with the level of activity and participation by the members. We were able to bring back some old traditions as well as try some new things. All in all, it was an enjoyable year.

Freshman Welcome

As is the tradition, the first activity of the year was the Freshman Welcome Picnic at Brookside park. There were close to a hundred in attendance, giving those new to the department a chance to meet those that have been around a while (no implication about the time it takes some to graduate of course). We had brats and hot dogs that were ready in short order due to Ben’s ingenious utilization of an entire can of lighter fluid. That’s OK though, the mushroom cloud made it easier for people to find the shelter. After eating, we played volleyball and softball (relax Dr. Mize—I’m pretty sure there weren’t any pro scouts watching).

Fall Canoe Trip

The next big activity was a canoe trip down the Des Moines river. We had picked the first weekend in October and naturally when the day came, the weather channel precipitation map made Iowa look as green as the great north woods. Being the diehard outdoorsman that we foresters are, we would not be deterred by a little torrential downpour, so we decided to go ahead with the trip. When we hit the water near Frasier, however, the clouds broke and a
miraculous ray of sun shone down on our trusty canoes—and as if through divine intervention, we canoed that river during what turned out to be the most beautiful day of the year.

**Conclave**

On October 21, five Iowa State foresters embarked on an impossible journey. Tanya Anthofer, Susan Borts, Shane Delaney, Jason Sable, and myself were to travel to the Lake of the Ozarks State Park in southern Missouri to compete in the Midwestern Foresters Conclave. This might not have been such a difficult task except that Iowa State had not participated in this event for some time, and much of the lore had been lost. We were also to discover that our equipment, much of which predates the discovery of steel, was less than competitive. The other schools that were in attendance were University of Illinois, Southern Illinois, Southeast Illinois, Michigan State, Purdue, Minnesota, and Missouri. I must say that they were all quite friendly and willing to provide our wayward team with whatever direction we needed. We never did find that left-handed speed chopping ax they said we needed.

With only five people, we were also by far the smallest team, so to make up the deficit we developed ironman conclaiving—between the five of us, we had 16 separate event entries, including tobacco spit, match split (2 entries), dendrology (3 entries), traverse (2 entries), chain throw, wood ID (3 entries) speed chopping, 2-man bucking, pulp toss (team), and the special event (team). The special event involved four members carrying a 12 foot log down a trail, estimating DBH and height of a tree as we go by, running over several hurdles, and canoeing a course out on the lake—all while either carrying or towing the log. Points were given to the team closest on diameter, closest on height, and fastest time for the course.

We managed to place second in the compass and pace traverse, second and third in the wood ID, and second in the special event. This yeilded a fifth place finish overall for the team, something we were quite proud of. In fact, the weekend would have been perfect if Jason and I had not been detained for over half an hour by the Kearney, MO police department for breaking into my truck (I locked the keys in the cab when we stopped for dinner and an overly astute officer didn't like the appearance of two unshaven, ax-wielding, young males forcing open the topper to retrieve the spare set). All worked out fine, however, no harm done—watch for the episode on Cops.

**Other Activities, Meetings, and Plans for the Future**

Other activities that the Forestry Club has engaged in thus far include the Ag Week volleyball tournament (don't ask how that came out), Christmas tree plantation workdays, seedling planting for Earth Day and VEISHAS, Christmas tree sales headed by committee co-chairs Matt Cosgrove and Cory Levendusky, and program committee chairman, and Joel Niemeyer, has given several programs to local youth groups. We have also had Fireside Chats at Dr. Countryman's and Dr. Kuo's with several more planned for the rest of the year.

We've been fortunate to have several good programs given at the regular club meetings. Dr. Kuo gave a slide show and talk on China, we watched some old summer camp movies from the 20's and 30's, a Peace Corps representative talked about the opportunities that the program offers, Dr. Colletti showed slides and
talked about the Yucatan peninsula of Mexico, Chris Feeley, a student in forestry, gave a presentation on archaeology in Iowa, and of course we had the ever popular pizza/movie night. The Forestry Club also challenged the faculty to a volleyball match. Unfortunately, since these are the people that determine our grades, we were forced to let them win—every game.

To finish out the spring semester, we have our VEISHEA display that is being led by Tanya Anthofer and the Wild Game Banquet being co-chaired this year by Shane Delaney and Rob Rubsam. We have also planned a spring canoe trip and Spring Forester's Day to allow those that will attend conclave next year a chance to practice. Dr.'s Hall, Manwiller, and Mize have all offered to do fireside chats before the end of the year as well.

Overall, I feel that it has been a productive year for the Forestry Club and I have fully enjoyed my tenure as president. I'd like to thank all of the officers, committee chairman, and regular members for their participation and recognize them for their input. Looking at the leadership potential found in the underclasses, I know that the club is in for a bright future. I hope that next year when I read this column as an alumnus, that they will have branched out to new and better things. Bye all, and long live ISU Forestry!

Members of the Forestry Club attending the 1994 conclave at Lake of the Ozarks State Park in southern Missouri.
Howdy, Hi All! Welcome to an update about the goings on of the Iowa State Chapter of the Forest Products Society. The officers for the 1994-1995 school year were: President—Brian Brown, Vice-President—Mark Mangrich, and Treasurer—Kevin Sharkness. Seeing as how we are writing this early in the spring semester, we will update you on what happened last semester and what our plans are for the spring semester.

During the fall semester, the FPS attended the Midwest Section’s annual fall meeting in Chicago, with a little help from the department and SAF. Lectures, food, and fun were had by all in attendance. The highlight of the trip was hearing ISU’s very own Zhinqun “LEO” Liu lecture about the corn flour adhesives he had been working on.

During the fall, we also discussed fundraising opportunities. We pursued the idea of bringing back the famous ISU Forestry brass belt buckles that were sold back in 1986. Unfortunately, the company that made the originals went out of business. We also discussed the possibility of building more walnut bookends. Unfortunately, the skilled laborers for the project have yet to materialize. We also had a pizza party and movie meeting, and of course, because Dr. Kuo picked up the movie, it was a western.
Also during the fall semester, a large percentage of the FPS had the opportunity of taking Dr. Manwiller's wood adhesives course. In it we learned the fundamentals of adhesives, glue bonds, and glue-bonded products. For our laboratory, we got to get up close and personal with the Mysterious, yet Mighty RIEHLE testing machine located in the dark, crusty bowels of Bessey Hall. Throughout the course of the laboratory, all students secretly desired to test the extreme hardness of large pieces of fruit, using the Janka ball test attachment on the RIEHLE testing machine. To my knowledge, no one gave in to his or her desires.

The semester's end saw the graduation of three key members of the Forest Products Society: former Vice-President—Dave Moore, and former and present Treasurers—Kevin Sharkness and Chris Birch. Good luck out there, guys!

The spring semester is here and with it we are pursuing more fund raising venues, such as exclusive FPS hats. (We might have to rob a bank or something guys!?) And we are currently in the planning stage for our spring tour.

Spring semester has also brought with it a former FPS member and recent ISU Forestry graduate, John Smith. John has accepted a research assistant position with the ISU Forestry Department. Congratulations and good luck, John!

This spring semester, most of the remaining FPS members are enrolled in Dr. Kuo's wood chemistry class. It involves the indepth study of the chemistry between wood components and their relations to the properties and manufacturing of wood products. In the laboratory, we were given the opportunity to select the wood species of our choice, chip it, pulp it, and make paper using the Kraft pulping process. We will also be using the RIEHLE testing machine to test the strength of our respective pulps. Mabye we will be given another chance to test that produce, only time will tell.

Through all of our trips, meetings, and discussions, we attempt to learn the numerous possibilities that await us at the end of our undergraduate education. We also hope to learn a little about forest products as well. We would like to extend a special thanks to Dr. Kuo for the time and resources he has investd in us. Hopefully we will see a couple more westerns this semester too.

GAME BANQUET REPORT FOR THE AMES FORESTER

On Saturday, March 25, 1995, the annual Forestry Wild Game Banquet was held in the Scheman building on the Iowa State Campus. The evening began shortly after 6:00pm with a buffet of assorted wild game and all the trimmings. The assortment of game included: caribou, venison, pheasant, duck, rabbit, turtle, squirrel, quail, beaver, pigeon, goose, turkey, and a variety of fish. After the opening by Shane Delaney and the prayer by Dr. Jungst, the feasting began.

When no more could be eaten, everyone moved to Benton Auditorium for the recognition of this year's award winners, the announcement of the new club officers, and the featured guest speaker.

Honored guests who were in attendance for the evening included Mr. Burkhart, who is the sponsor of the Conservation scholarship, and Mrs. Cone, who has supported the Forestry
department for many years and given the Cone scholarships. Also in attendance was David Young, who played a major part in establishing the Cone scholarship, and Dean Topel.

The feature presentation for the evening entitled, "Ecosystem Management on the Black Hills National Forest," was given by Roberta Moltzen. She is currently the Forest Supervisor on the Black Hills National Forest, Custer, South Dakota.

With a wonderful turnout, the banquet was considered to be a great success. The support of the Forestry department that was shown is greatly appreciated by all. Thank You to all who donated game and helped to make this year's Wild Game Banquet a success. We are looking forward to seeing all of you again next year!

Rob Rubsam & Shane Delaney
Banquet Chairmen

1994-1995 Awards

Freshman Scholarships

George and Dorothy Thompson Endowment
Jamie Hart

Forestry Freshman Scholarship
Melinda Hefley
Heather Collins

Memorial Scholarships

J. Milton Cone Memorial Scholarship
Chad Garrett
Shane Delaney

Conservation Scholarships
Shane Delaney
Robert Rubsam
Jeffrey Cronin
Chad Garrett
Phill Kinney
Chad Loreth
### Society of American Foresters Awards

**SAF Fall Sequence Leadership Award**  
Tom Schultz  

**SAF Student Membership Award**  
Phill Kinney  

**SAF Full Membership Award**  
Ben Wehrspann  

### Forest Products Society Awards

**FPS Student Membership Award**  
Chad Garrett  

**FPS Book Award**  
Mark Mangrich  

### Xi Sigma Pi Awards

**Keith Bauer Book Award**  
Rob Rubsam

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### G. B. McDonald Memorial Senior Leadership Award

Tanya Anthofer

### Forestry Club Student Involvement Award

Shane Delaney  
Robert Rubsam

### Diamond Hitch Awards

**Forestry Club President**  
Brian Flage  

**Ames Forester Co-Editors**  
Amanda Benbow and Loran Ramsey  

**SAF Chair**  
Clint Kabele  

**FPS Chair**  
Brian Brown

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**Xi Sigma Pi**

Xi Sigma Pi is a forestry honor society founded at the University of Washington on November 24, 1908. The Alpha Gamma chapter at Iowa State University is the 26th chapter out of 43 chapters and was installed May 28, 1965. The 1994-1995 executive committee for the Alpha Gamma chapter are; Robert Bardon,
Forester, Brian Flage, Associated Forester, John “Chip” Murrow, Secretary/Fiscal Agent, and Chris Birch, Ranger. The advisor for the chapter is Dr. Dean Prestemon.

The objectives of Xi Sigma Pi are to secure and maintain a high standard of scholarship in forestry education, to work for the improvement of the forestry profession, and to promote a fraternal spirit among those engaged in forest related activities.

To become a member, an initiate must be a junior, senior, or a transfer student regularly registered in a forest management curriculum, have completed at least seventy-four credit hours, rank scholastically in the upper 25% of his or her class, and has completed at least 10 semester hours in forest resource management courses. Graduate students regularly registered with major work in forestry may be elected to membership if completed 10 or more semester hours in forest resource management courses, enrolled for at least one semester in which a chapter is located, and must have an outstanding academic record in his or her graduate work.

The Alpha Gamma chapter of Xi Sigma Pi has nominated 14 initiates for the 1994-1995 school. The initiates are required to complete a community service project during the academic year in order to become members of the society. This year's service project for the Alpha Gamma chapter was cleaning up central campus.

Each year at the Forestry Club Game Banquet an outstanding sophomore is awarded the Keith Bauer award. The Keith Bauer award is named after Keith Bauer, a graduate student in silviculture, who died in an automobile accident in 1965. The award is based on scholastic achievement and professional qualities that best exemplifies the qualities of Keith Bauer.

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**Christmas Tree Sales**

*By Cory Levendusky*

The snow was white and cold as it fell with grace. Then the snow melted and ran when it hit my face. Trees were sold and trees were seen throughout the three week period that the trees were sold. This year we sold white pine, scotch pine, and balsam fir from the Horticulture Gardens. We ordered 180 trees from Hoffmans-Christmas Trees plantation and only about 156 were sold. There was a time when I thought that all was lost and a profit would not be made, but as a star led the wise-men, I got a second wind and tried harder to sell the remaining trees. We were blessed and our hopes became reality when Hoffmans agreed to buy back the remaining 24
Find some poor schmuck willing to dress up in a Smokey Bear costume to entertain the children and we give away spruce seedlings. The seedlings are the major consideration of Veishea. Back in September we planted approximately 4000 blue and white spruce seedlings in pallets at the Forestry greenhouse. Through months of care by the greenhouse staff and one concentrated thin (done over a two-day period using manicure scissors), the seedlings have grown to their present towering height of about five to six inches. The seedlings are given away with a small card explaining proper care. We usually receive donations from people who take seedlings. A lot of children enjoy picking out their own trees to take home to plant. It’s an all around fun time and a nice break from the stress of the forestry spring workload.

Tanya R. Anthofer
Senior in Forestry
Forestry Club Veishea/Earthday/Seedling Chair
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Name ___________________________ Title ___________________________
Institution ___________________________
Address ___________________________
City ___________________ State _______ Zip _____________
Tel No. ___________________________
Faculty and Staff
Joe Colletti

Title and Appointment:
Associate Professor, Forest Economics

Instructs:
Forestry 452 - Forest Resource Management
550 - Advanced Quantitative Methods
570 - Forest Resource Allocation.

Dr. Colletti also team teaches: Forestry 204, 510 - Graduate Seminar, and 654 - Advanced Topics in Forest Economics. He also teaches a four week unit in Environmental studies 425 on Wilderness Management. Dr. Colletti enjoys teaching the senior level course Forestry 452 the most.

Current Research:
Includes projects on 1) the economics of short-rotation woody crops for energy feedstock as a fiber source for composite wood products, 2) the economics and management of temperate and tropical region agroforestry systems, 3) the benefits and costs of riparian bufferstrip systems for the control of non-point source pollution in agroecosystems, and 4) analysis of the Iowa wood industry in terms of demand for wood products and supply of raw material form Iowa’s forestlands.

Activities:
Joe’s major source of “Play-Time” Comes from his daily lunch break when he goes running with Rich Faltonson, and Dick Schultz.

David Countryman

Title and Appointment:
Professor (Teaching/Research)

Instructs:
FOR 204-Multiple Use Decision Making (team taught), FOR 390-Forest Fire Protection and Management, FOR 453-Forest Resource Policy and Administration (team taught), FOR 454-Forest Resource Case Studies
**Favorite class:**
Facilitating student learning is always enjoyable, but the format of FOR 454 ensures that the material is always fresh and working with students to develop and analyze alternative solutions has been a stimulating experience for 20 years.

**Current Research:**
One project that I am involved with seeks to demonstrate how to transfer dependence on heating energy derived from fossil fuel to on-farm timber resources. Burning renewable wood biomass can reduce the quantity of nonrenewable fossil fuels needed in the state and help keep the environment clean. Improved management practices would make woodlands a more economically viable part of the farming system in Iowa. The project consists of two major sub-projects: (1) timber management and harvest, and (2) a biomass burning and heating system. The first, addresses the economics of wood as an energy source, timber management, energy plantation concepts, wood harvesting, and use of farm labor. The second assesses the BTU's generated from burning biomass, hot-water heating, wood energy economics, safe and efficient heating plant operation, and use of off-season farm labor. This joint project involves several disciplines but is led by Forestry and Agricultural & Biosystems Engineering and funding has been provided by the Iowa Agricultural and Home Economics Experiment Station and the Leopold Center for Sustainable Agriculture. The project includes all aspects of production and use of wood (growing, harvesting, chipping, handling, burning) plus distribution of the heat.

A second project involves the development of an economic analysis of Agroforestry activities in Indonesian teak and acacia plantations. The analysis will consider the economic contribution of the plantation production to Perum Perhutani and the contribution of the Agroforestry production to the Indonesian cooperator to estimate the total contribution to Indonesia.

Dave enjoys family activities, hunting, fishing, and reading in his spare time.

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**Richard Faltonson**

**Title and Appointment:**
Research Coordinator, Professional and Scientific staff.

**Current research projects:**
Support staff, primarily involved with agroforestry research, Iowa State Agroforestry Research Team (IStART), Constructed Multi-Species Riparian Buffer Strip, Land Application of Sludge to Forest and Herbaceous Energy Crops, Short-Rotation Woody Crops for biofuels energy, the Winnebago Forestry and
Agricultural Alternatives Feasibility Study, Woody Agriculture and Hazelnut Culture, and the DOE Poplar Breeding project.

I particularly enjoy keeping current on elements of greenhouse management from a total industry perspective, and as a manager of a university research facility. Active participation in regional (Northern Container Nursery Association executive secretary) and national professional societies (Iowa SAF newsletter editor) (International Plant Propagators' Society) has been personally rewarding.

Activities:
Running, Downhill Skiing, 4-Wheel Exploration of Colorado high country passes (not too steep or narrow thank you), Hiking on the Colorado 13er and 14er mountains.

Most recent and favorite quote: “The most elementary statement of science, the beginning of wisdom, the words, I do not know.” From “Star Trek NG” Quote from Data.

“Come forth into the light of things. Let Nature be your teacher.”

-William Wordsworth

Roger Hanna

Title and Appointment:
Research Associate

Current Research:
I am primarily involved in the 'Selection and Breeding of Pest-Resistant Clones of Populous for Biomass Energy Production in the North Central Region:' this project is headed by Dr. Hall and is funded by the U. S. Department of Energy. I have been involved in short-rotation forestry research for ten years.

I am also involved, but to a lesser degree, in a Poplar molecular network project headed by the University of Washington, as well as other department projects; such as the riparian bufferstrip project, the sludge application project at the Ames Water Pollution Control Facility, and the agroforestry projects being conducted in the department.

Activities:
In Roger’s spare time he is active in Xi Sigma Pi, scuba diving, and computer consulting.
Woody Hart

Title and Appointment:
Professor of Entomology and Forestry

Instructs:
Entomology 370- Insect Biology
PLP (Ent. For. PM) 416 - Forest Pest Management

Favorite Class to Teach:
I enjoy teaching both classes equally.

Current Research:
My research is concerned with the study of insect pests of trees. Current involvement is primarily with insects associated with short rotation woody crops. With Dr. Rick Hall and Dr. Sande McNabb, I am involved with trying to develop more pest-resistant selections of Populus. Most of my work has been with a major defoliating pest of these trees, the cottonwood leaf beetle. Although most of the efforts are involved in host-plant resistance work, I have several other projects in process within the program. An important focus has been on the determination of the relationship between pest population levels and the amount and impact of damage that they cause. I have several graduate students working with me in the program. One student is trying to determine the chemical factors in Populus leaves associated with feeding response by the beetle. If we can determine what these factors are and how they are genetically controlled, this may help breeding and selection programs in developing more resistant selections. Another student is trying to determine the relationship between egg density and actual damage that the beetle causes. The third graduate student is trying to define the beneficial insect complex associated with natural and plantation stands of Populus.

Steven E. Jungst

Title & Appointment:
Professor and Chair

Instructs:
Coordinator for Forestry 205 (Integrated Forestry Laboratory) Forestry 445 (Natural Resource
Photogrammetry and Photo-Interpretation Forestry 510 with Dr. Colletti (Seminar)

Favorite Class:
Forestry 445 is the most enjoyable course for me. I'm fortunate to teach a class that most students really enjoy, and that makes it fun for all of us.

Current Research Projects:
Current research focuses on the use of Geographic Information System (GIS) technology in resource management. Two such projects are underway.

The first project is part of an interdisciplinary research effort. The overall objective of that larger project is to assess the impact of riparian buffer strips on water quality and erosion control. GIS is being used to characterize the Bear Creek watershed where the buffer strips are located. Ground cover, topography, stream characteristics and soils information have been incorporated into GIS databases and are being used to identify locations where non-point source pollution is most likely to occur.

The second project deals with selection of sites for establishment of forest plantations. Indonesia is currently attempting to identify sites that are suitable for establishment of forest plantations throughout the country. Selection is based on a number of biological, economical and social considerations with sites now selected largely through field visits. Work on this project will involve developing the techniques to automate the site selection process through the use of GIS. Data sources are being identified, and where data does not currently exist, techniques for developing the data will be presented. Methods for combining the data through GIS will be demonstrated to provide the basis for site selection in the future.

Activities:
Adviser for Ames Forester. Participant in a USIA funded project with National Agrarian University of Ukraine to assist in curriculum development. Host for a minority summer intern from Alabama A&M University during summer, 1994. When I can find a few spare moments, trying to nurse a badly abused piece of timber (grazed and overmature) into a better state of health.

Mon-lin Kuo

Title and Appointment:
Associate professor; 49% teaching and 51% research.

Instructs:
Favorite Class:
I enjoy team teaching with Drs. McNabb and Hart, I also enjoy working with students in their laboratory projects for For. 481 and 483.

Current Research:
I am currently working on finishing a project where I incorporated corn starch into phenol-formaldehyde resin for exterior plywood adhesives. New projects that I am working on include: studying the use of animal blood and soy proteins for wood adhesives and developing fiberboard from corn stalk, switchgrass, and wood.

Activities:
Mon-lin enjoys advising the Student Chapter of Forest Products Society, and six Forest Products students. In his spare time he enjoys photography and fishing.

Title and Appointment:
Professor

Instructs:
Forestry 280 - Wood Anatomy and Properties
281 - Wood Identification
485 - Adhesive Bonded Wood Products
486 - Wood Drying

Favorite Class:
I enjoy teaching Forestry 280 the most.

Current Research:
As wood dries, minute failures occur in the cell wall. We have been able to record sound emitted from these failures. We hope to determine whether by monitoring the rate of acoustic emissions as a board is drying we can continually adjust drying conditions to decrease drying time while decreasing (or not increasing) drying defects.

Activities:
In Floyd’s spare time he enjoys spending time with his family especially his grandchildren. His other activities involve: church, Kiwanis (past president) community service, and all aspects of wood- when he can find the time.

“To what will you look for help if you will not look to that which is stronger than yourself?”
- C. S. Lewis
Harold S. “Sande” McNabb, Jr.

Title & Appointment:
Professor of Forest Pathology;
University Professor Department of
Plant Pathology and the Department of
Forestry

Instructs:
PIP (For, Ent, PM, PIHP) 416. Forest
Pest Management, team taught
For (PIP) 483. Wood Deterioration
and Preservation, team taught
PIHP 498. Plant Health Management
PIP 694. Colloquium in Plant
Pathology, Sections in Scientific
Communication w/ Ed Braun, and
Current Topics in Forest Pathology

Favorite Class:
I enjoy all teaching, especially
mentoring relationships with students.
If I had to pick one of the above, it would
probably be Forest Pest Management
because Woody and I have nurtured this
offering since the beginning. And,
working with another person who
subscribes to my teaching philosophy so
closely is an inspiration!

Current Research:
I am part of the woody biomass team
that is attempting to develop systems for
producing fast growing hardwoods for
fiber and energy. As the pathologist, I
am responsible for screening existing and
new genetic material of poplar for
resistance to leaf and stem diseases. In
addition, basic studies are in progress on
the major diseases of poplar, Septoria leaf
and stem diseases, poplar leaf rusts, and,
beginning this year, Marssonina leaf
disease.

My speciality is disease resistance,
especially those factors in the host that
are directly related to resistance. In this
context, we have genetically engineered
poplar with a potato gene that adds
subtile insect, and hopefully, disease
resistance to two poplar hybrids. Basic
research on the initial infection
interactions in Septoria disease is in
progress. We are also studying the
population structure of the poplar leaf
rust pathogens. As more new hybrids are
planted, both experimentally and
operationally, little known pathotypes in
our pathogen populations become
dominant that could reduce the
effectiveness of present and new hybrid
resistance to disease.

Activities:
All my present major activities are
related to working with young people and
former students. During the last few
years I have spent more time with
secondary students on science fair
projects and undergraduate students
working in our research. My previous
youth work was more organized, ie. with
Scouting and other organized youth
groups. In addition, my wife an I
continue to be active in politics, although
not to the extent as before. Although, not
now in an official role, I have continued
to expend time and effort with the Faculty Senate, acting as the Past-President advisor to Senate leadership and policy forming committees.

Advice from Sande:
I continue to advise students to become involved. Anyone can complain about the world around them, but it takes courage and activity to improve that little piece of geography and history in which one lives. You can make a difference!

Carl Mize

Title and Appointment:
Associate professor
Instructs:
Forestry 203, team teach Forestry 205, Forestry 342, and 543.

Current Research Projects:
I continue to be in charge of the ever growing number of permanent growth plots in the agroforestry plantings that we have developed. This spring I will plant five productivity plantings that will evaluate the growth of two poplar clones, eastern cottonwood (from seed), and one in the Loess Hills.

We planted a second shelterbelt south of Ogden to evaluate a field shelterbelt on crop production. My graduate student, Qi Xiaoming, is developing a corn shelterbelt model.

I continue to work on forestry and agroforestry projects in the Yucatan peninsula. I am developing an inventory program with a Spanish interface to be used by forest managers in the Yucatan peninsula.

Activities:
Forestry Club Advisor and Ballroom Dance Club Advisor.

Dean R. Prestemon

Title and Appointment:
92% extension and 8% teaching appointment. Professor of Forestry and Extension Forester
Instructs:
Forestry 488 and team teaching Forestry 202
**Favorite class to teach:**
Forestry 488, provides more enjoyment because the class is of more interest to the products majors that take the class.

**Activities:**
Work activities focus on Forestry Field Days and the Master Woodland Managers Program in extension plus a modest amount of teaching. Fun activities include traveling, woodworking, and fishing.

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**Lita C. Rule**

**Title and Appointment:**
Assistant Professor

**Instructs:**
- Elements of Forestry Practice (FOR 102),
- Multiple Use Decision Making in Forestry (FOR 204),
- Forest Resource Economics and Quantitative Methods (FOR 451),
- Forest Resource Policy and Administration (FOR 453),

Graduate courses in Economics/Quantitative Methods/Advanced Topics in Forestry Economics and Forest Recreation.

**Current Research:**
One of my current projects is a study of Iowa's hardwood lumber industry. This project looks at (1) the hardwood lumber industry of the state (including its structure, markets, marketing and production problems, and future plans by members of the industry) and (2) the situation surrounding the adequacy of Iowa's hardwood timber resources to meet the state's demand for this resource. Last year, randomly selected mill operators/owners across the state were surveyed in relation to determining the structure, markets, marketing/production problems, their future plans and their perceptions about the industry's future. Funding for this part of the project was secured from Iowa's Department of Natural Resources, and for which a final report has been submitted. With respect to the hardwood timber supply-demand situation, scenarios will be developed for the next twenty years based on models that will be used to project future quantities of supply of and demand of hardwood sawlogs.

Another project is titled “Assessment of selected agroforestry systems in the midwest and their application to Iowa”. This research aims to investigate and characterize agroforestry systems prevailing in the Midwest, to assess their possible applicability to other major physiographic regions in the Midwest, and to assess their market and environmental benefits. A survey of agroforestry and forestry-related systems was done in eight midwestern states and a directory of people involved with agroforestry was published in 1993 as a result of the survey. Research effort is
presently focused on collating and developing data for selected systems to develop models that could demonstrate and/or help predict possible economic and environmental benefits from these systems. Information from these models will be very helpful in furthering agroforestry research in the region, especially in determining vegetation mixes or species suitability based on economic, biological, and environmental concerns.

My newest research activity is under a cooperative project funded under an agroforestry research cooperative agreement between the USDA Forest Service and Mexico. The project is titled “Characterization of agroforestry systems and impact assessment of selected projects”. I will be involved in making a survey and in the characterization of agroforestry systems in selected areas in the Yucatan (Mexico), in determining which aspects of these systems are most desired by adopters/would be adopters, and in assessing selected agroforstry developmental projects in Mexico. In the later part of this three-year project, we hope to establish a demonstration project in the midwest, preferably in Iowa.

John L. Smith

Title and Appointment:  
Research Associate I (Wood Science)

Duties:
I started working for the department at the beginning of the spring semester for Dr. Manwiller and Dr. Kuo. My main area of responsibility has been in maintaining the department wood shop facility and finishing up a safety and training guide for the shop. The next step will be to implement the chemical hygiene plan into the wood science lab. I also help prepare and test specimens for Dr. Kuo and have been checking Dr. Manwiller’s wood identification sets to make sure they are complete.

Research:
Current research projects that are underway include starch based adhesives for the Iowa Corn Promotion Board, and crop residues converted into medium density fiber panels for the Iowa Soybean Promotion Board. A third project that is just starting looks at using blood proteins
as wood adhesives. Departments involved in this project include Seed Science, Design College, Food Science and Aerospace Engineering.

Activities:
I have been getting involved with the ISU Forest Products Club helping on some fund raising ideas. I am also a member of the Iowa Army National Guard.

Jan Thompson

Title and Appointment:
Associate Scientist and Graduate Lecture

Instructs:
Forestry 201 (Forest Biology) and Forestry 475X (Community Tree Management- to be offered Fall 1995).

Favorite Class:
I like them both!

Current Research:
My research activities include studies of fertilization/irrigation in state forest nurseries in the midwest, looking both at effects of these practices on seedling growth and seedling characteristics and the potential effects of these practices on surface and groundwater quality. I continue to monitor previous projects aimed at analysis of hardwood bareroot seedling performance after outplanting and techniques of plantation establishment, particularly for oak and walnut seedlings.

Activities:
I have recently become involved with Iowa Urban and Community Forestry Council and the Iowa Arborist’s Association. Otherwise apart from my work I am much occupied enjoying watching my children grow.

Quote for the year:
“You can’t change de past, but you can learn from it!”—Raffiki (The Lion King).

Mark Vitosh

Title:
Program Assistant/Extension Coordinator for Urban Forestry and Youth Education Programs.
James Forester

Instructs:
Outreach workshops to the general public on tree planting, care, and maintenance, and other Urban Forestry related topics. Coordinator of the Iowa Community Tree Steward program and the Tree Steward Program for Youth.

Mark's activities include volunteering with the Ames Trees Forever (tree planting group) and the rest of his spare time is spent with his family.

Paul Wray

Title and Appointment:
Professor and Extension Forester

Instructs:
Forestry 310 (Management of Small Forest Properties)

Favorite Class:
Forestry 310

Extension:
I am involved in many extension projects with forest management and urban forestry extension. I am looking at and comparing 14 species/varieties of Christmas trees for Iowa. I am currently in the 4th year of a 10 year project with 15 cooperating groups in Iowa. I am also presenting non-credit educational programs in Iowa, including forestry field days; Christmas tree production meetings; windbreaks for schools; urban forestry workshops; and the more intensive "Master Woodland Manager Program" and the "Community Tree Steward Program". I also respond to approximately 1500-2000 individual requests for assistance and/or information.

Dick Schultz

Title & Appointment:
Professor of Forest Ecology/Hydrology and Agroecology Issue Team Leader, Leopold Center for Sustainable Agriculture

Favorite Class:
For 206 (Camp) every 3 years; For 301 (Forest Ecology); For 407 (Forest Watershed Management); For 504 (Advanced Forest Ecology & Silviculture); For 602 (Forest
Biology Seminar); For 603 (Tree Growth and Development). I love to teach and find each course different and exciting. I like 301 and 407 because students from several disciplines bring different perspectives to class discussions and group activities. I like courses that have outdoor labs (206, 301, 407, 504) the best because students can become immersed in actual ecosystems. Helping students develop management plans for specific pieces of landscape with specific client objectives is a rewarding experience in For 301 and 407.

Summary of current research:
The Iowa State Agroforestry Research Team (IStART) and the Agroecology Issue Team (AIT) of the Leopold Center for Sustainable Agriculture are developing the leading temperate agroforestry research program in the country. These two groups are conducting research in using short-rotation woody crops and high quality trees in combination with herbaceous crops and native species to act as buffers in the landscape against non-source pollution (sediment, agriculture chemicals, animal wastes) and wind and water erosion while at the same time improving crop production, providing alternative crops, increasing biological diversity and thereby improving wildlife habitat and the esthetics of the landscape.

My general interests in these projects relate to the plant community interactions with the soil and the hydrologic cycle. My specific interests relate to: a) the establishment and above-ground and below ground growth and development of tree, shrub, prairie, and wetland communities; b) sediment, nutrient, and water movement through these individual ecosystems and the broader landscape; c) ability of woody plants to increase streambank stability; d) increasing biodiversity for improved wildlife habitat; and e) technology transfer to landowners and land management professionals for acceptance of these agroforestry systems. My present emphasis is developing expertise in riparian zone management which includes buffer strip design, wetland construction, and streambank bioengineering.

The Hardwood Forest Nursery Cooperative is also conducting research to produce high quality planting stock for a wide variety of planting sites and to develop modified site preparation and establishment methods to handle the improved planting stock. This work is closely tied to the agroforestry work in that woody plants are being planted in unique settings with agricultural crops and on soils that have been extensively modified over time. Present emphasis in the cooperative is on developing fertilizer and irrigation schemes that produce less nutrient leaching to the groundwater and yet produce target seedlings. This work also ties closely to our water quality work with the IStART and AIT.

Additional Comments:
Working with the fine student body in forestry and related departments is a high for me and gives me faith in the future of our country and the planet.
Richard Hall
Professor

BS
Iowa State University

PhD
University of Wisconsin-Madison

Ann Holtz
Advising Secretary

Linda Classen
Graduate Secretary

Rose Turner
Department Head Secretary
Graduating Seniors

& Students
Tanya R. Anthufer

Tanya, originally from West Des Moines, graduated this spring with a Bachelor of Science degree in Forest Resource Management. She was involved in the Forestry Club, VEISHEA Earthday Seedling committee, and choir. Tanya received several awards and honors for her efforts including: Xi Sigma Pi, Gamma Sigma Delta, and the G.B. MacDonald Memorial Scholarship.

She has gained forestry experience when working for the U.S. Forest Service at the St. Paul Field Office and Private Forestry Aerial Sketch during the summer of 1994. She completed a map survey of National Forests in the Lake States and also Sugar Maple analysis. During Tanya’s senior year she was employed by the I.S.U. Forest Pathology, Lab having fun with Melampssova spores.

Tanya plans to enter the graduate program at Colorado State in Remote Sensing. She states her backup plan is to write trashy romance novels.

Her hobbies include writing and photography and believes underclassmen should “invest in relaxation tapes before your last semester here...you’ll need them”. Tanya’s final comment was a quote from James T. Kirk, “It was...fun”.

Sara Utter
Susan Borts

Susan, a native of Sigourney, IA, graduated this spring with a degree in Forest Resource Management. She had been very active in the Forestry department as a member of the Forestry Club, serving as Vice-President her senior year, and Society of American Foresters. Susan also volunteered her time to the Forestry VEISHEA display, and the Forestry Club Christmas Tree Sales. She also participated in the Forestry Conclave.

Susan gained practical Forestry experience when she worked for the Soil Conservation Service during the summer of 1990, during the summer and fall of 1994, Susan completed research on physiological properties on fast growing poplars. With her activities and experience, Susan hopes to obtain a Forestry field research position outside of Iowa.

Brian Brown

Brian, a native of Dubuque, IA, graduated this spring with a degree in forestry. He has been active with the Forest Products Society and held the position of president.

Brian’s previous employment includes working for the ISU food service.

His future plans include marrying his love, Alice Oleson, in August, 1995, and to attend graduate school at the University of Wisconsin, Madison, WI.

Brian’s hobbies include gardening, blues guitar, weight training, and cycling.

He would like to leave a bit of advice to the underclassmen:
Don’t let Professor Mize scare you - he’s trying to help you!; and everyone should try to take Photogrammetry, it’s a great class!
Brian Flage

Brian, a native of Fayette, IA, graduated this spring with a degree in Forest Resource Management. Brian has been very active during college, his activities include; Dorm House Freshman Representative and Treasurer, Chairman of Publicity for Alpha Zeta, Associate Ranger of Zeta Sigma Pi, 1994 Game Banquet Chairman, 1994-95 Forestry Club President, 1 year in University Chorus, and 3 years in Men's Glee Club.

Brian's list of awards and Honors is almost as long as his list of activities. He was an Alpha Zeta National Ag Honorary, Gamma Sigma Delta National Ag Honorary, Xi Sigma Pi Forestry Honorary, Freshman Forestry Scholarship, Keith Bauer Award, Conservation Scholarship, and the Forestry Club Student Involvement Award.

He gained practical Forestry experience when working for the Iowa DNR at Volga River Recreation Area for two summers, and by working in the Forestry departments research labs for two years, one year with Dr. McNabb in the Forest Pathology lab, and one year working for Dr. Schultz in the Agroforestry lab.

He has high hopes for his future: Brian intends to marry a super model, earn a salary of $300,000 a year, while working for NASA. His job will include transforming Mars, and becoming supreme ruler of all known universes. If this doesn't work out for him, he will look for a job in Forestry.

In his spare time, Brian enjoys movies, computers, camping, biking, comic books, and golf.

Brian's advice to underclassmen is, to get involved. It helps keep you motivated and on top of things.

Dan Hubbard

Dan, a native of Mediapolis, IA, graduated this past fall, 1994, with a degree in Forest Resource Management. He had been very active with the Society of American Foresters. He had also received a few mentionable awards and honors: a U.S. Forest Service
Certificate of Merit and a cash award, and an award from the Chugaca National Forest for constructing an interpretive trail for the Kenaitze Indian Tribe in Alaska.

Dan has been around the U.S., so to say, gaining valuable employment experience. He was employed by the Medicine Bow National Forest, Encampment, Wyoming, during the summer of 1992. He was employed by the Chugaca National Forest, Seward, Alaska, during the summer of 1993. He was employed by the Toiyabe National Forest, Bridgeport, California, during the summer of 1994. Prior to his forestry employment, Dan served in the U.S. Navy for 15 years. His future plans include interviewing with various companies and states, particularly the Oklahoma Department of Forestry; Environmental Consultants, INC; U.S. Fish and Wildlife; U.S. Forest Service; and the U.S. Park Service.

Aside from his busy schedule, Dan enjoys extended backpacking, hiking, climbing, and furniture making.

Dan would like to leave a bit of advice for the underclassmen:

Get experience working seasonal jobs with the U.S. Forest Service; get fire qualified/certified with the government; take “schools” offered by the U.S.F.S. (fire school, saw school, law enforcement officer school); and most of all, apply for jobs early - January.

Clinton Kabele

Clint, a native of Cedar Falls, IA, graduated this spring with a degree in Forest Resource Management. His college activities have included beer drinking; participating with the Forestry Club, acting as President from March, 1993 to March, 1994; and participating with the SAF, acting as chair from March, 1994 to March, 1995.

His previous employment consisted of working for the Pike National Forest in Fairplay, Colorado for three summers. Clint’s future plans include moving west, working, skiing, and enjoying the good life.

His hobbies include doing anything outdoors and playing the guitar.

Clint would like to leave some advice for the underclassmen:

Party more than just on VEISHEA!
Philip Kinney

Philip, a native of Ankeny, IA, graduated this spring with a degree in Forest Resource Management. He has been the recipient of a few mentionable awards and honors: the Fall Camp Leadership Award, the Conservation Scholarship, and the SAF Student Membership Award. Even though he spends a lot of time in Bessey Hall, he always finds time for family. For the past three years Phil has been employed as a park ranger for the U.S. Army Corps of Engineers. Prior to this experience, he was a cadet of the City of Des Moines Police Department, and worked for Heritage (TCI) Cablevision. With regard to his future, Phil plans on getting into administration, probably with the Corps of Engineers, and possibly seeking the position of a Naturalist.

When there is time to relax, Phil enjoys either watching or playing ice hockey, and inline skating.

He would like to leave a bit of advice for the underclassmen:
Study hard and stay calm.

David Moore

David, a native of Stuart, IA, graduated this past fall, 1994, with a degree in Forest Products. He had been active in the Forestry Department as a member of the Forest Products Society, serving as Vice-President during the 1992-93 school year. He was also active in his resident hall, acting as the floor intramural chairperson during the fall of 1993-94.

David has been employed by the Okoboji Pallet and Packaging Company since 1990. Prior to this, he gained experience through a summer intern with the Tongue District USFS, Bighorn National Forest in 1992, and another summer intern in 1993 and 1994 with the Manti Lasalle National Forest, USFS. His future plans include looking for a job in product quality control.

Aside from the hours spent studying, David enjoys hunting, fishing, and woodworking.

John C. Murrow

John C. Murrow, better known as “Chip”, hailed from Altoona, IA. He graduated with a Bachelor of Science degree in Forest Resource Management. Chip was involved in various activities, including Marching Band, Men’s Glee Club, Secretary/Treasurer for Xi Sigma Pi, Historian for Kappa Kappa Psi, and Society of American Foresters. He
received several awards and honors for his efforts, such as Golden Key, Alpha Zeta, Gamma Sigma Delta, and Dean’s List Fall 1993.

Chip has completed employment in 1993 at the Cradle of Forestry in Pisgah National Forest, North Carolina as an interpreter, and in 1994 completed 100% street tree inventory for the City of Boone, Iowa.

After graduation Chip plans to get married on August 5, 1994 and enjoy life to the fullest. His hobby is Baseball Card Collecting. Chips’ advice to underclassmen is “Don’t believe everything upperclassmen say about professors, don’t force yourself to like something you don’t, and stand for what you know is right.”

Troy Petersen

Troy Petersen, hailing from Dysart, Ia, graduated this spring with a degree in Forest Resource Management. During his attendance at I.S.U., he was involved in various activities including Treasurer for Schaefer House, Representative for Willow Hall Programming Board and the Society of American Foresters. He also received the Milton Cone Scholarship for his efforts in summer camp.

Troy was previously employed by the Blackhawk County Conservation Board, he worked as a seasonal worker during the summers of 1992 & 1993, and was a Park Attendant at McFarlane Park and Cedar Valley Nature Trail the summer of 1994. His plans after graduation are to begin work in the spring as assistant park ranger for Blackhawk County at Hickory Hills park.

His hobbies include hunting, fishing, stock car races, and sports. Troy’s advice to underclassmen is to “Use your summers to gain work experience for a permanent job. Someday you’ll need it.”

Joel Niemeyer

Joel, originally from Hull Iowa, graduated this spring with a Bachelors degree in Forest Resource Management. Prior to this degree, Joel received an Associate of Science degree from Iowa Lakes Community College. He was very active in Forestry Club as the Chairman of the Committee for Interpretive Programs, and was in Xi Sigma Pi. Joel’s honors included being on the Dean’s List and initiate into Xi Sigma Pi. He has received valuable experience in forestry practices as a seasonal supervisor for Lyon County Conservation Board for 5 summers, where his duties included: patrolling the park, supervising seasonal employees, and odd jobs. During the school year Joel worked for the ISU Dairy Farm milking cows and doing odd jobs. After graduation Joel will
be working for Mead Paper Corporation. His hobbies are Fishing, Hunting, Trapping, and Boating. Joel’s advice to underclassmen “Take school seriously, but don’t forget to have a good time and enjoy life, it only comes around once.”

Reed Ristvedt

Reed, a native of Independence, IA, graduated this spring with a degree in both History and Forestry, Resource Management. During his time at Iowa State, he has been active with intramurals in that he was the director of intramurals and recreation, and GSB, during the 1992-1993 school year. He was also a member of the ISU Recycling Committee during 1992-1993.

Reed’s previous employment includes working as an assistant park superintendent for the city of Independence, IA, during the summer of 1992; he was a camp counselor at the Cheley Colorado Camps during the summer in 1990 and 1991; he was the bouncer for Winston’s/Tazzle’s from 1992-1994; he worked for ISU as a student carpenter from 1992-1995; and last but not least, he worked for the BLM during the summer of 1994. Reed’s future plans include working for the Forest Service this summer in Oregon. Afterwards, he would like to get a position with either a products company or the Forest Service.

Aside from his busy schedule of working and studying, Reed enjoys reading, weight lifting, and hiking/backpacking.

He would like to leave some advice for the underclassmen:

Don’t let the system get the best of you; relax and have fun while you’re here.
Jason, a native of Waverly, IA, graduated this spring with a degree in Forest Resource Management. He had been very active with the Ag Council, acting as a representative, the Residence Hall Government, Trees Forever, and was a member of the International Society of Arboriculture. Jason has also received a few mentionable honors and awards: he is an eagle scout and also received the Izaac Walton League scholarship.

Jason has gained valuable work experience in the past four years. He has worked as an assistant for the ISU Forestry greenhouse and as a field assistant for the ISU Horticulture Department. He has also worked for the Landscaper Platt’s Nursery, Waterloo, IA, and as an intern in urban forestry for the city of Waterloo, IA. His future plans are to hopefully find a job near somewhere that offers good hunting and fishing opportunities.

Aside from studying, Jason enjoys camping, fishing, hunting, and listening to music.

Jason would like to leave this bit of advice for underclassmen:
Enjoy your time here - it will go fast!

Kevin E. Sharkness

Kevin, a native of Bettendorf, IA, Graduated in the Fall of 1994 with a degree in Forest Products with a minor in German. Kevin has been active in the Mountaineering Club, and was Vice President of the club during 1991-92, He was also a member of SAF and the Forest Products Society, and club treasurer in 1994. Kevin was the award winner of the 1992 MOTG Scholarship.

He gained practical Forestry experience when working for Weyerhaeuser Co. Particleboard mill, in Marshfield, WI during the summer of 1994, and as a lab assistant for the Forestry Department during the fall of 1992. Kevin also worked for the Outdoor Recreation Center and Programs for 2 1/2 years.

Kevin’s future work plans include working for the panel industry and having 10 kids.

In his spare time Kevin enjoys climbing, snow boarding and skiing, traveling, and mountain biking.
Kevin’s advice to underclassmen:
“Go for the Gusto!!”
Ben Wehrspann

Ben, originally from Wahpeton, IA, graduated with a degree in Forest Resource Management. While attending ISU, Ben has participated in many activities: Kimball House Conduct Chair, Treasurer for the ISU Forestry Club, and Secretary for the student chapter of SAF. Ben was awarded the SAF Student and Full Membership Award at this year’s game banquet and is a Member of Xi Sigma Pi. He has gained valuable work experience in a Forestry related job by working for the Kootenai National Forest, Three Rivers Ranger District, Troy, MT, as a member of a timber crew, and during the school year Ben worked for the ISU Telecommunications as a Student Technician. Ben’s future plans include working with the USDA Forest Service Division of State and Private Forestry in Gray, Maine. Ben’s hobbies include Vehicle Restoration, Beer Brewing, Computers, Fishing, Biking, and Hiking. His advice to underclassmen is to work hard, keep it simple, and enjoy yourself. Ben would like to thank everyone for making the extremely hectic times fun.

Jim Rosacker

Jim Rosacker completed his doctorate studies on Forest Biology this spring. He had completed his undergraduate program in Environmental Studies at the University of Kansas, and his graduate program in Forestry Administration and Management here at Iowa State University. He held the Secretary/Treasurer position for the Forestry Graduate Student Association. Awards and Honors for his efforts include: Xi Sigma Pi, Gamma Sigma Delta, and the Research Excellence Award.

Jim’s future plans are to conduct research in ecosystem restoration in the tropics.

Adang Sopandi

Adang, a native of Indonesia, received his masters in Forest Administration and Management this past fall, 1994. He was involved with Xi Sigma Pi.

His experience with forestry employment began in 1986 as an instructor in Bogar Forestry Training Center in Indonesia; in 1989 he was employed as the chief of general forestry planning at the East Timor Regional Forestry Office in Indonesia; and in 1992
to the present time, he has been employed as an instructor in Central Forestry Education and Training, Ministry of Forestry, in Indonesia.

His future plans include continuing his work with the Ministry of Forestry in Indonesia.

Adang enjoys jogging and sight seeing in his spare time.

He would like to leave a bit of advice to the underclassmen:

Keep studying and try to get organizational experience; find out more about the art of work and cooperation, which, in addition to scientific knowledge, will be very useful in finding a nice job; and increase the forester solidity!

He would also like to comment on the fact that during his time of study in the Forestry Department, he had many wonderful friendships.

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**Students**

**Underclassmen**

**Freshmen**

Stacy Bazal  
Lisa Beaman  
Shannon Blockinger  
Shane Bradley  
Thaddeus Childers  
Matt Clayton  
Mark Cory  
Jay Guyer  
David Hanson  
Aaron Loy  
Michelle Ludwig  
Matthew McDowell  
Kory Menke  
William Sager  
Casey Sautter  
Erik Seiberlich

**Sophomores**

Erik Stadsvold  
Edward Szabo

**Juniors**

Steve Austin  
Robert Beane  
Travis Bruch  
Donald Dean  
Tori Dirks  
Margaret Forth  
Jeff Goerndt  
Jeff Hansen  
Travis Hochsprung  
Gretchen Holstein  
Jesse Iverson  
Christopher Janda  
Aaron Korsching  
Kathryn Lansink  
Brian Lewis  
Michael Lichter  
Donita Jo Martin  
Derek McDonough  
Mathew Mohr  
Rebecca Rohwer  
Robert Rubsam  
Chris Schrauth  
Thomas Schultz  
Alan Shumate  
Peter John Smith  
Darren Till  
Aaron Toltzman  
Aaron Widner  
Rob Zurmuehlen

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Amanda Benbow  
Mandy Billeb  
Casey Bourke  
Stan Burt  
Jeremy Cochran  
Mathew Connor  
Jeffery Cronin  
Shane Delaney  
David Douglas  
Megen Dvorak
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**Seniors**

| Chris Abel             |                        |
| Daniel Anderson        |                        |
| Shane Bruning          |                        |
| Karla Cacers-Johnson   |                        |
| Ryan Chandler          |                        |
| Andrew Clark           |                        |
| Anthony Cline          |                        |
| Matt Cosgrove          |                        |
| Elmer Fernandez-Gutierrez |                    |
| Aaron Flickinger       |                        |
| Kenneth Gordon         |                        |
| Kevin Hein             |                        |
| Mary Hogan             |                        |
| John Hohensee          |                        |
| Casey Kohrt            |                        |
| Mark Mangrich          |                        |
| John Nahas             |                        |
| Joel Skelley           |                        |
| David Smith            |                        |
| Jeff Stinson           |                        |
| Chris Thies            |                        |

**Graduate Students**

| Abdu Abdelkadir        |                        |
| Andrew Arends          |                        |
| Amy Avant-Kuehl        |                        |
| Robert Bardon          |                        |
| Luna Bharati          |                        |
| Sarkoro Budiatmoko     |                        |
| Margaret Carter        |                        |
| William Edwards        |                        |
| Jim Gubbels            |                        |
| Shabana Hameed         |                        |
| D. Abugarshall Kai     |                        |
| Kye-Han Lee            |                        |
| Zhiqun Liu             |                        |
| Ziqiang Lu            |                        |
| Maidiward              |                        |
| Mamun                 |                        |
| John Mattila           |                        |
| Paul Ovrom             |                        |
| Joko Pramono           |                        |
| Prayitno               |                        |
| Xiaoming Qi            |                        |
| Morris Rule            |                        |
| Fernandes Sembiring    |                        |
| Marcella Szymanski     |                        |
| Girma Melesse Tabor    |                        |
| John Tyndall           |                        |
| Ju Wang                |                        |
| Jing Zhang             |                        |

**Graduating Graduate Students**

| Chris Ball             |                        |
| Hoduck Kang            |                        |
| John Mattila           |                        |
| Paul Ovrom             |                        |
| Harry Prasetyo         |                        |
| Jim Rosacker           |                        |
| Adang Sopandi          |                        |