

ANNUAL YIELD

1994



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School of Forestry
Northern Arizona University
Flagstaff, Arizona

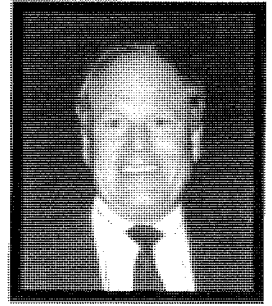
Published by:
NAU Forestry Club
John Angelo Cencioso
Editor

Dedicated to:
L. David Garrett
—For all that I am

and to:
Julia
—For showing me the depths of love

LETTER FROM THE DEAN

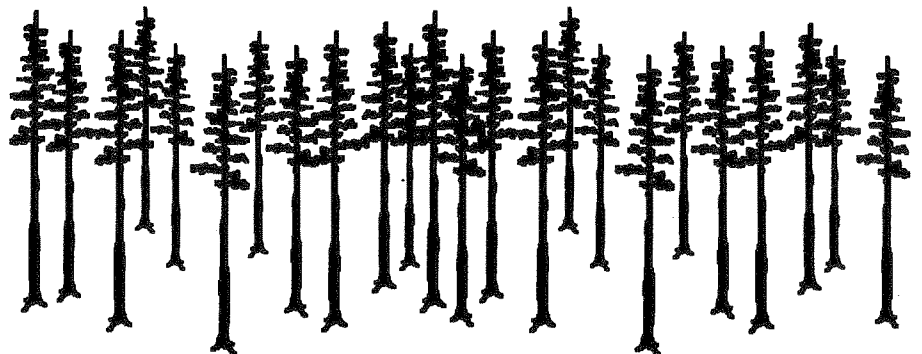
**Dr. L. David Garrett, Dean
School of Forestry**



Scientists predict that our scientific knowledge base will begin to double every two years after 2015. That is, all the knowledge gained from the dawn of man until 2015 will be doubled by 2017. Students in grade school today will make five major career changes before they retire, and two to three of those careers do not even exist today.

Sounds like a roller-coaster ride. But, that is the world that our students from your School of Forestry step out in today. The ability to absorb massive diverse information sets and synthesize them, do critical thinking and reasoning, and communicate alternatives well to diverse interest groups will be the order of the day.

The students you read about in this year's Annual yield are up to the task. They are trained to be both critical thinkers and good communicators. Those of us who struggle daily with the complex issues of resource management, are pleased to see the drive and determination of the new wave of foresters. We are convinced they are up for the task.



In memory of Bill Holmes...

William L. "Bill" Holmes was raised in Kansas, and served as a combat infantryman in Italy during World War II. After receiving his Bachelor of Science in Forestry degree from Colorado State University in 1950, he began a thirty-three year professional career with the Forest Service.

Upon retiring as Deputy Forest Supervisor on the Coconino National forest in 1983, Bill came to the School of Forestry as a lecturer. This position involved a myriad of duties such as lecturing on policy, property control, and job placement. Bill's greatest contribution, however, was the rapport he established with the students. He had a keen interest in their welfare and progress, and was always willing to give practical advice, counseling, and encouragement.

Illness forced Bill to leave the School in 1992. His interest in the students (and their respect and concern for him) continued until his death in November, 1993. He leaves a legacy of NAU graduates pursuing forestry careers who quite possibly would not have obtained their degrees and first job without his advice and encouragement.

We will miss you.



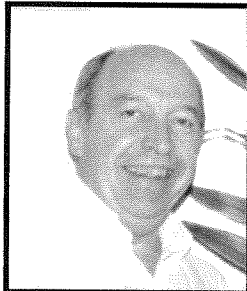


FACULTY AND STAFF

G. McCormick



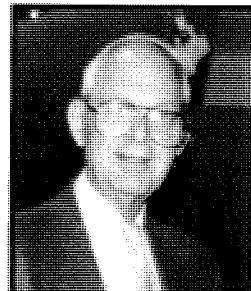
E. Kurmes



D. Patton



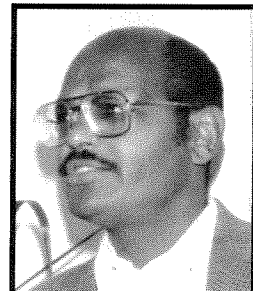
B. Groman



J.P. McTague



M. Lee



A. Tecle

M. Wagner



M. Moore



W. Covington



P. Beier

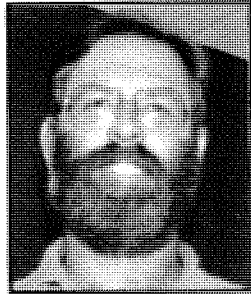


R. Larson

C. Avery



T. Kolb



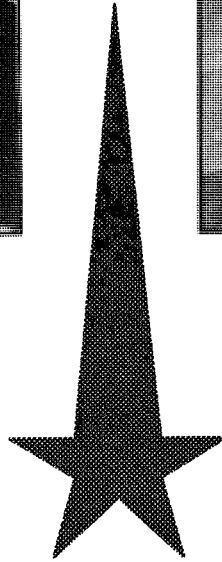
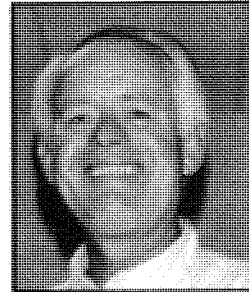
P.J. Daugherty



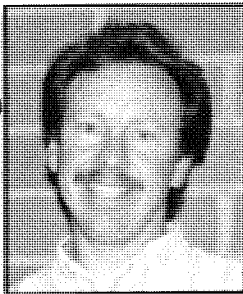
L. Taylor



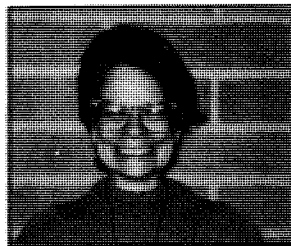
D.B. Wood



C. Bullington



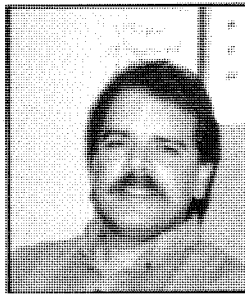
M. Hines



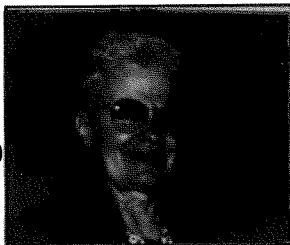
B. Fox



T. Bohn



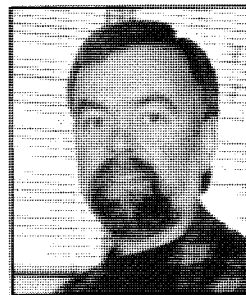
I. Light



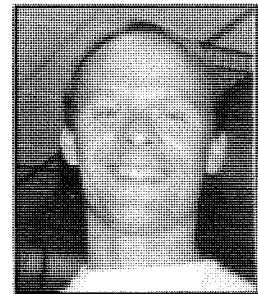
M. Richards



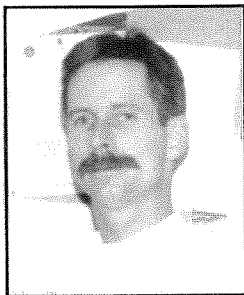
S. Andariese



S. Hart



B. Stansfield

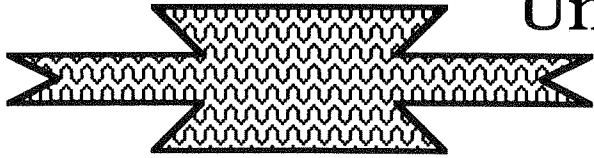


J. Souder



Native American Forestry

Undergraduate Program



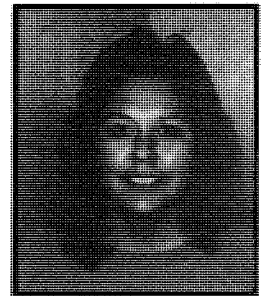
Ronald L. Trooper, Ph.D.
Director

On Sabbatical — not pictured



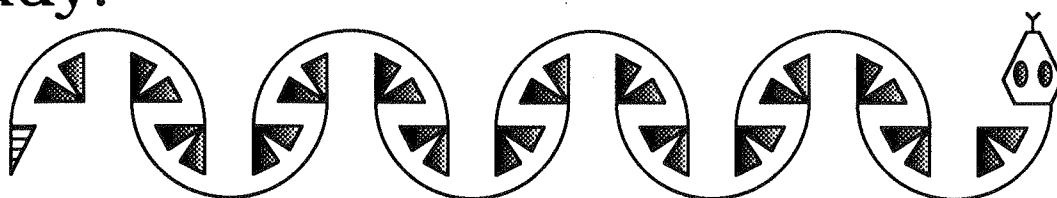
Randy P. Roberts
Program Coordinator

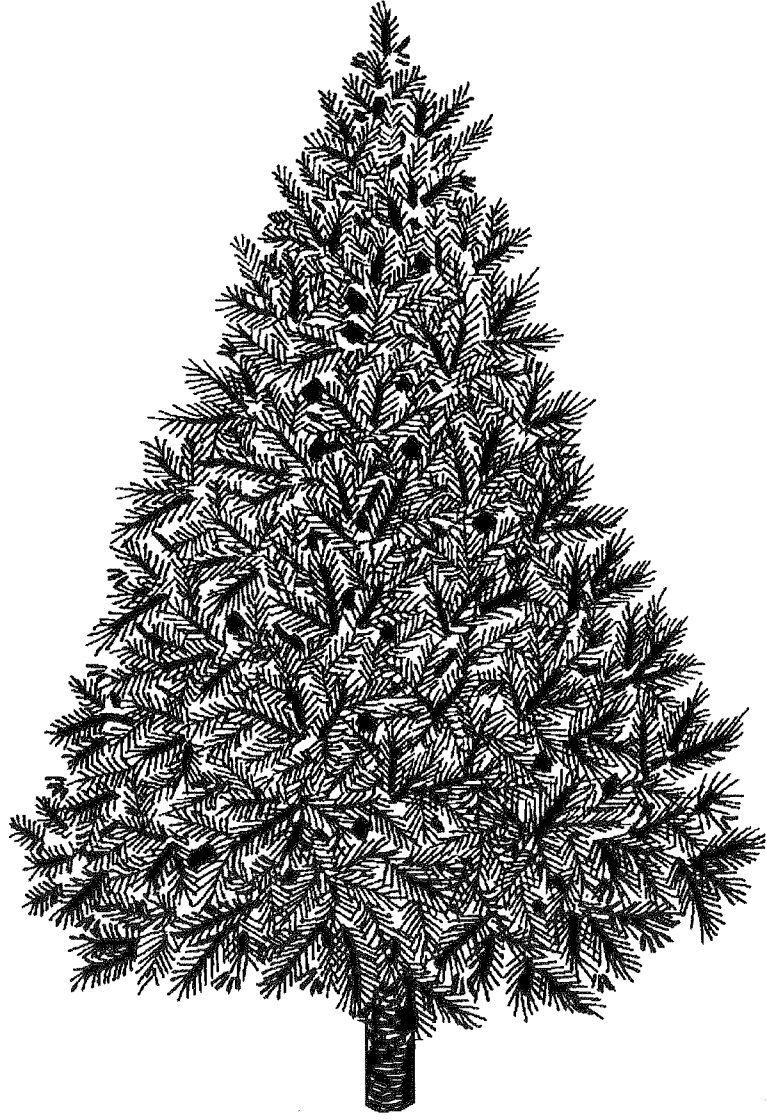
The Native American Forestry Program at N.A.U. supports the academic and personal growth of Native American forestry majors.



Chris Atine
Student Advocate

The Native American Forestry Program not only helps students achieve their academic goals, it also provides support services and referrals for students and their families. The program addresses the issues of cultural difference for students and faculty. The program involves Native American forestry professionals, with bachelor's and master's degrees, as role-model mentors and advisers. The program's goals are to increase the number of Native Americans graduating with bachelor's degrees and to encourage students to pursue graduate study.



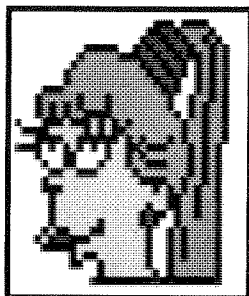


SENIORS

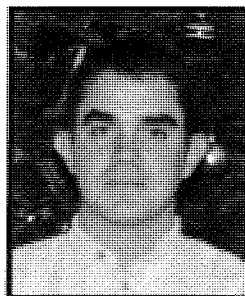
SENIORS



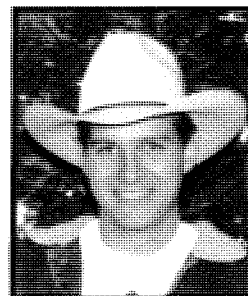
BURKE ASKEW



PAT BUTLER



JAVIER DIAZ
CALVO



JOHN ANGELO
CENCIOSO



KEVIN
CUNNINGHAM



ROD CURRAN



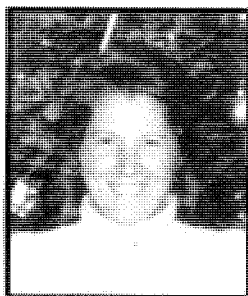
HAROLD DECLAY



KIM FRENCH



STEVE HALL



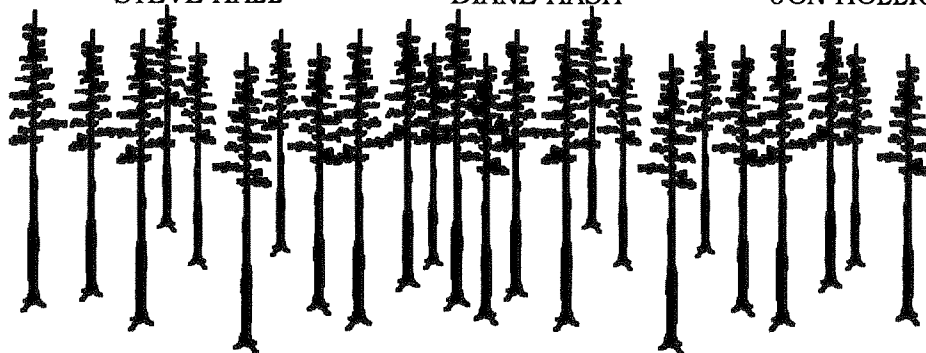
DIANE HASH



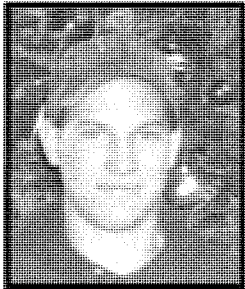
JON HOLLIGAN



PETER
HOLLOWAY



SENIORS



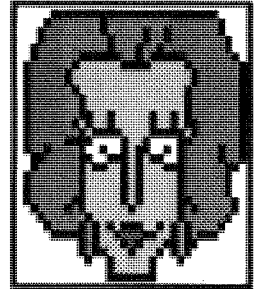
QUENTIN
JOHNSON



KIM KENNEDY



SUSANA LOPEZ



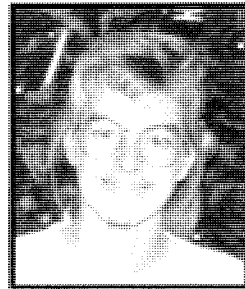
CHRIS MEYERS



GARY MICHAEL



TIM MILLER



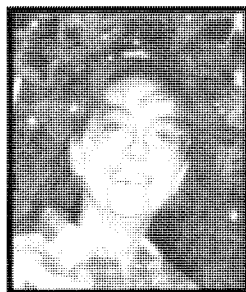
DEBRA MOLLET



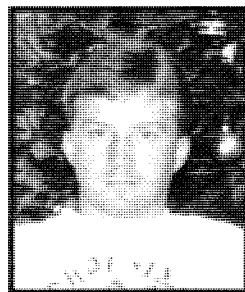
ED MORALES



ELKE
NAUMBURG



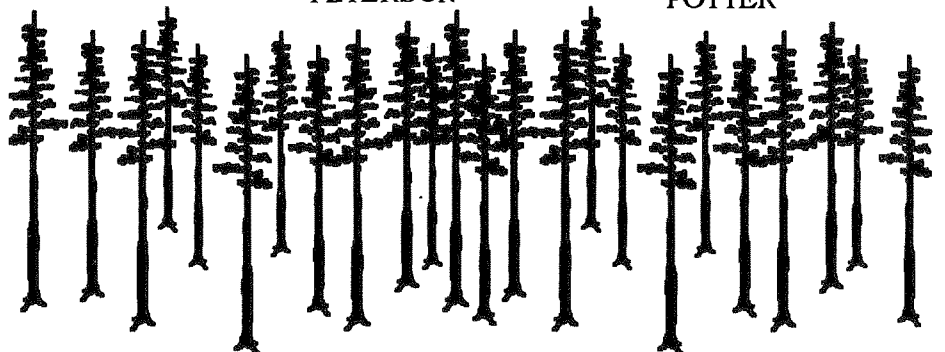
RENEE PADDOCK



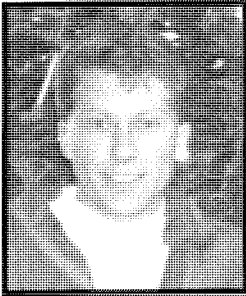
JOHN
PETERSON



ELLEN
POTTER



SENIORS



WADE REAVES



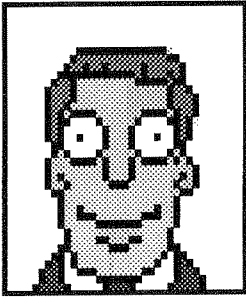
FRANK THOMAS



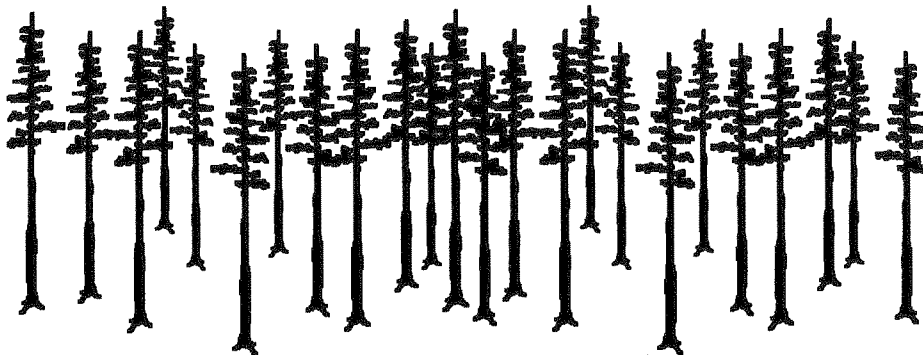
LESTER TISINO

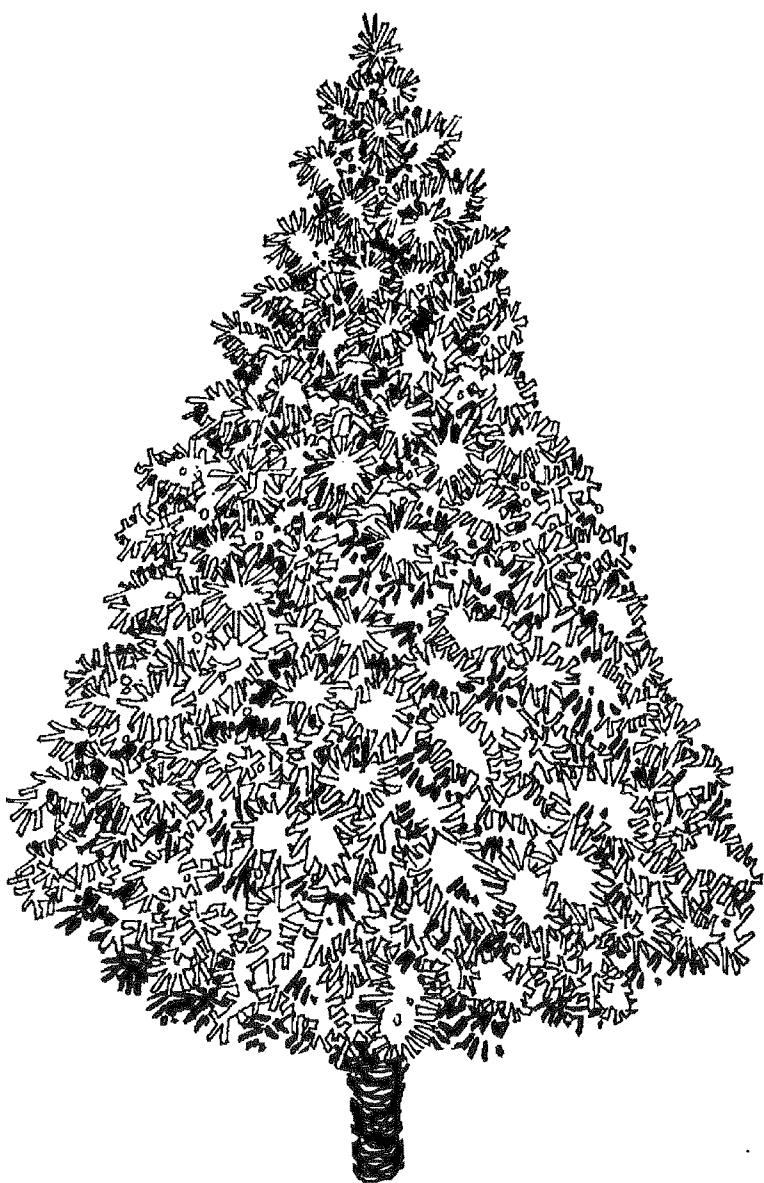


ANDREW
WHETTEN



STEVE WYATT





JUNIORS

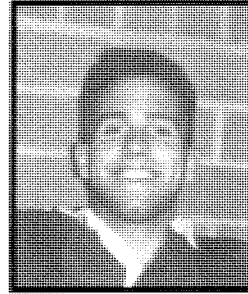
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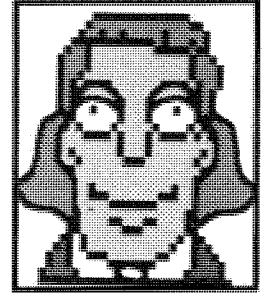
LEON BEN



KELLY CASTILLO



ERIC DAHLMAN



LISA FARRINGTON



J. CHRIS GILES



JOHN GILLISPIE



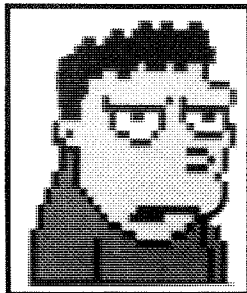
SEAN GORDON



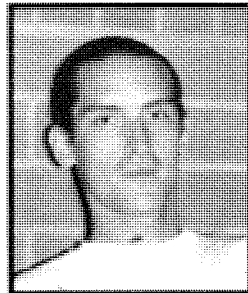
TRACI HEATON



JAMIE HUTTE



DAVID KIRGIN



JOHN LOXLEY



CANDY LUPE



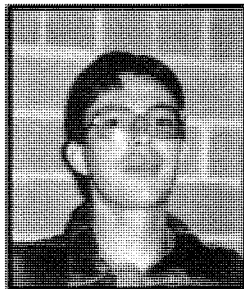
JUNIORS



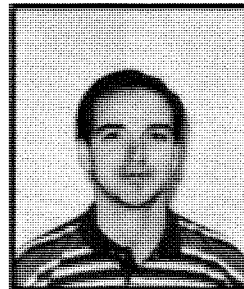
LISA MACHINA



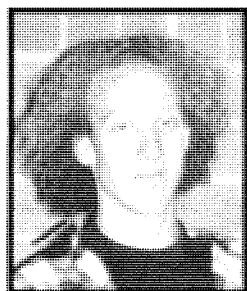
BLAKE McGREW



STEVEN McMINN



ROBERTO MIER



JAMES RISER



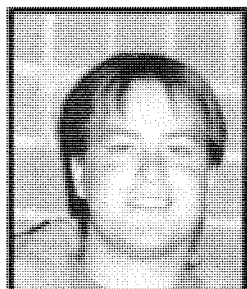
JOHN PAUL
ROCCAFORTE



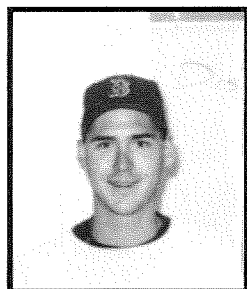
THOMASCITA
SHORTY



MARYFAITH
SNYDER



CHRISTOPHER
STETSON



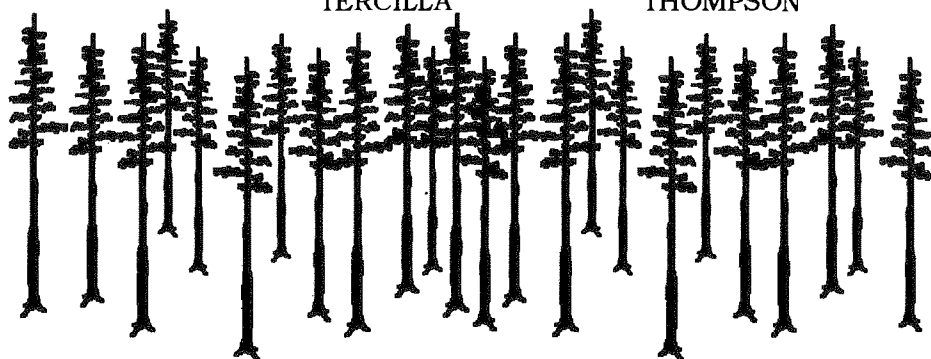
TRENT SWANSON



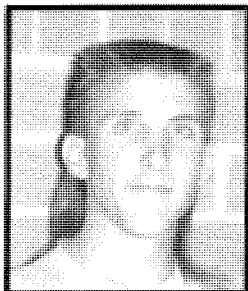
EVARISTO
TERCILLA



BEEDONA
THOMPSON



JUNIORS



JEFFRY
WESTFALL



STEVEN WOOD

•THAT PIECE OF LAND•

In the same way my family did, I loved that piece of land. I wished someday I could own it. I never thought the Hopi-Navajo land dispute in Tuba City, Arizona and the later relocation of Navajos would turn my dreams into disaster. My grandfather and his family leased land from the Navajo tribe in Sanders in 1960. The leased contract was in effect for twenty years.

In 1972, my grandfather died, leaving the land to my father. At the time my father lived fifty miles from G-Lake in Lower Greasewood, Arizona. Because our family was responsible for the land, we decided to move to Sanders.

During the 1980's, the Hopi-Navajo Land dispute began. The United States Government put the two reservations next to each other. As the population's of both tribes increased, the boundaries became less distinct. The Hopi and Navajo people intermarried and exchanged cultural activities. But the leaders of the Hopi and Navajo tribes wanted distinct boundaries. Each tribe secretly hoped to expand their reservation for the economic and political good of their people. Eventually, the controversy went to court. The Federal court ruled under a treaty that Navajos were trespassing on Hopi land. The defeated tribe had to relocate its people elsewhere. Since the lease in Sanders ended, the Navajo tribe moved people on G-Lake ranch which meant no renewal of our contract. My father and his family tried to appeal the cancellation of the lease but were unsuccessful. We moved off G-Lake ranch on May 4, 1987. After the loss, we never talked about the ranch. We never discussed our anger, our loss, or our disappointment.

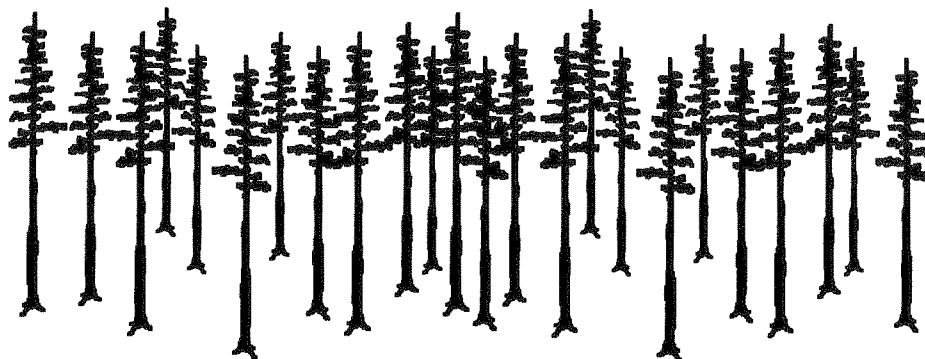
Today, we still raise livestock on my mother's land. But my mother's land can never replace G-Lake in my father's eyes. Every time I see him, I see a man defeated for what he loved to do. I share my father's grief, love, and loss because in high school, my teacher asked me "What do you want to do?". I replied, "Buy a ranch and be a rancher." He said, "It's hard work and hardly any money." I just nodded. I did not expect my teacher to understand my reason for loving a piece of land.

The loss of G-Lake ranch had some positive attributes. If the ranch was with us I would end up working on it because my father was reaching 50 years old: I doubt he could handle the job. After the loss, I swore I would find a place to start over and each day hope that I never have to lose my land. Today, I am still looking forward to finding a place to live.

In January of 1994, I went back to G-Lake ranch. The ranch was untouched by development. Nothing had changed except the brand on the livestock. I felt angry that someone besides my family was ranching there. Why am I still attached to that piece of land? In writing this, I ask myself this question. I hoped to find the answer. But towards the end,

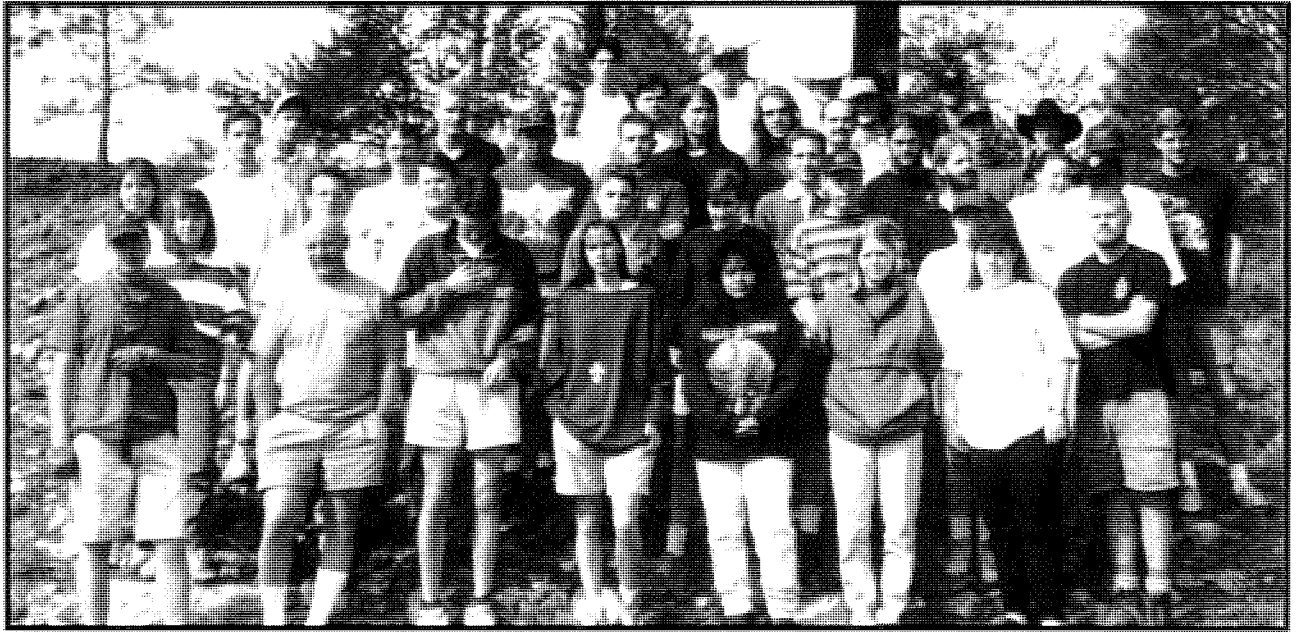
I still do not know the reasons. Maybe it is because I grew up on that piece of land. Maybe on certain days I see rolling hills of grass gently swaying in the breeze with an occasional pinyon-juniper tree sticking out, or maybe I see horses, or cattle.

•Thomascita Shorty
Junior Class

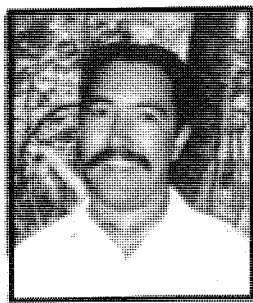


SOPHOMORE CLASS

Where excitement isn't just a word... It's an abstract concept.



On early weekend mornings,
and without permission,
Mike and his loyal followers make sacrifices to Zorgon,
the evil life-sucking planter god.



Ξ Σ Π

Franklin D. Thomas
President αΠ Chapter

•Xi Sigma Pi — Initiates• 1993-1994

Joseph Edwin Stone



Eric Spencer Dahlman



Athena Demetry



J. Christopher Giles



Lisa Marlene Machina



Roberto Ramon Mier



James Paul Riser II



Trent Swanson



Steve Wood



Ε Σ Π

απ chapter

Xi Sigma Pi is the oldest and largest national forestry honor society originating in the colleges of the United States, and was founded at the University of Washington in 1908. With the advent of successive chapters, individual chapter designations were created, beginning with the original University of Washington chapter — designated Alpha. In 1975, three new chapters arose including the Alpha-Pi Chapter located at Northern Arizona University — the only chapter ever to represent the state of Arizona.

The objectives of our society 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 activities related to the forest.

Activities participated in by members of Xi Sigma Pi, here at N.A.U. and within our forested mountain community, are primarily service oriented. For the select few who aspire to attain the well defined attributes which have come to be recognized as requisites of every true member of Xi Sigma Pi, these activities express their desire to benefit the communities which surround them.

Some of the attributes which I feel express the membership and faculty leadership of the Alpha-Pi Chapter are:

- 1.) In technical training they should measure up to the standards set by the best women and men in the profession.
- 2.) They must school themselves in teamwork, for only through wholehearted cooperation can they be of the greatest service in the profession.
- 3.) They should recognize their obligation to the school which made this training possible.
- 4.) They should be true to their ideals.

The 1993-94 academic year was a busy one for all members, and one that held many personal fulfilling moments and special memories that will last a lifetime. There were numerous people who participated in the different activities held during the year. A partial list of activities includes: cleaning our section of Highway 89 north of town, assisting in a weekend recycling project, working at the Grand Canyon Futures Forum as well as a conference concerning the future of Arizona's forests, mowing down the weeds around the forestry building, and constructing a plaque which honors the individuals selected as Teachers of the Year.

Though there were many individuals who participated in the projects and events, there was a "core group" which I would like to acknowledge and extend my sincere appreciation and gratitude to. Diane Hash who was an active member. Javier Diaz, who was the Chapter Ranger — without whom I would have had many more duties than I could ever hope to accomplish. Dwight Scarbrough, who acted as the Associate Forester was invaluable, and spearheaded our participation in the Bashas' recycling project. Kim Kennedy, the Secretary/Fiscal Agent as well as the President of the Forestry Club was instrumental in initiating the joint Forestry Club/Xi Sigma Pi fund drive. John Cencioso was essential to the operation of the Alpha-Pi Chapter during Semester C when everything seemed to be happening at once. John, Diane, Javier, and I were even able to take time out of our Semester C course-work, with the help and encouragement of the forestry faculty and administration, to proctor the conference on the Future of Arizona's Forests. The final person to whom I owe thanks is to our faculty advisor, Dr. Robert E. Larson, who provided all the initiates of the Alpha-Pi Chapter with the inspiration to complete all of their goals.

Frank Thomas

President Alpha-Pi Chapter

Brought to you by:
The NAU Forestry Club

President:

Kim Kennedy

Vice President:

Blake McGrew

Treasurer:

Marlys Cline

Secretary:

Amy Malmberg

Historian:

Chris Meyers

Defacto Historian:

John A. Cencioso

Sergeant at Arms:

Kurt Campbell

Social Manager:

Frank Thomas

Associate Social Manager:

John A. Cencioso

SAF Chairperson:

Jay Smith

AWFC Representatives:

Kurt Campbell and Blake McGrew

Kim Kennedy
President



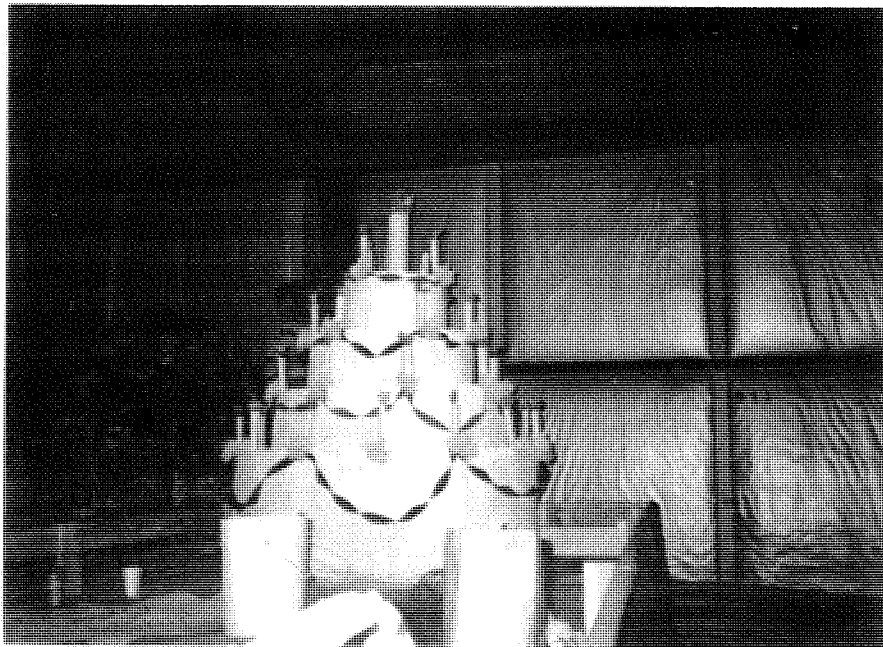
Happy Birthday
Smokey!

*"Only you can reestablish
the role of fire in
healthy ecosystems"*



Frank Thomas and
Steve McMinn *bake
a cake.*

Kim Kennedy
 • Leader
 • Critical Thinker
 • Newspaper Critic



"What do you suppose the temperature is?"
 —"One."

To you, as much as to the rest
 of the Forestry Club...

My Thanks,
John

Back Row (l to r): Amy Malmberg,
 Deb Mollet, John Cencioso,
 and Steve McMinn.

Front Row (l to r): Frank Thomas,
 Chris Meyers, and Javier Diaz.



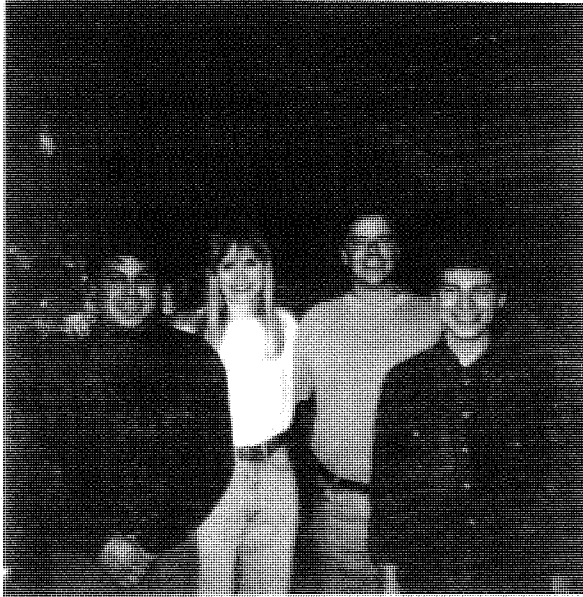
• *A Special Note* •

To: Mike Green

Betty Sauer

Dan Nance

Johnny Altic



*Thank you for all of your
help and support.*

— John A. Cencioso
Editor



•Forestry Honors Convocation•

Friday, April 22, 1994

SHERRIE ALFORD FORESTRY SCHOLARSHIP

- Stephany Marie Church

ALTA VISTA GARDEN CLUB SCHOLARSHIP

- Russell Jon Shumate

APPLEQUIST AWARD

- Christopher Hill Stetson

ARIZONA WATER RESOURCES COMMITTEE FORESTRY SCHOLARSHIP

- Charles Edward Rose

RAMON ASO FORESTRY SCHOLARSHIP

- Jose Martin Iniguez

NEIL A. BARRICK FORESTRY SCHOLARSHIP

- John Paul Roccaforte

DICK W. BERRY FORESTRY SCHOLARSHIP

- James Paul Riser, II

ROBERT A. BLASER FORESTRY SCHOLARSHIP

- Roberto Ramon Mier

LAUREL AND DOROTHY BRENN FORESTRY SCHOLARSHIP

- Lisa Marlene Machina

WILLIAM L. AND DORIS M. CORNETT FORESTRY SCHOLARSHIP

- Ann Frances Dolmage

TONY CZAK MEMORIAL SCHOLARSHIP

- Traci S. Heaton

DAVE'S LUMBER FORESTRY SCHOLARSHIP

- Evaristo Tercilla

du Bois FOUNDATION SCHOLARSHIPS

- Kent L. Bushman
- Ann Frances

DUKE CITY LUMBER COMPANY FORESTRY SCHOLARSHIP

- Marco Piazza

VON DUNFORD FORESTRY SCHOLARSHIP

- Kristine M. Murphy

EMPIRE SOUTHWEST FORESTRY HONOR SCHOLARSHIP

- Steven James Wood

FLAGSTAFF CABINET COMPANY FORESTRY SCHOLARSHIP

- Charles Edward Rose

FORESTRY ALUMNI SCHOLARSHIP

- Jon K. Loxley

FORESTRY AUTHORS SCHOLARSHIP

- Elke S. Naumburg

FORESTRY CLUB AWARD

- Jeffry Ralph Westfall

PAMELA AND DAVID GARRETT FORESTRY SCHOLARSHIP

- Eric Spencer Dahlman

GREENLAW FORESTRY SCHOLARSHIPS

- Scott West Davidson
- Christopher Hill Stetson

WILLIAM L. HOLMES MEMORIAL SCHOLARSHIP

- Russell Jon Shumate

KAIBAB FOREST PRODUCTS COMPANY AWARD

- Eric Spencer Dahlman
- John Christopher Giles

TOMMY KNOLES, Jr., FORESTRY SCHOLARSHIP

- Catherine M. Martinez

LEE NEWMAN FORESTRY SCHOLARSHIP

- Jon K. Loxley

NORTHERN ARIZONA LOGGERS ASSOCIATION SCHOLARSHIP

- John Christopher Giles

LEAH PAYNE MEMORIAL FORESTRY SCHOLARSHIP

- Thomascita Shorty

RAYMOND FOUNDATION FORESTRY SCHOLARSHIP

- Angela Gayle Freeman

SHARALON RUNYON FORESTRY SCHOLARSHIP

- Darryl L Martinez

DAVE SCHMIDT FORESTRY SCHOLARSHIP

- Lisa Marlene Machina

SCOTTSDALE SPORTSMAN'S CLUB CONSERVATION SCHOLARSHIP

- Steven James Wood

GLENN VOORHIES SCHOLARSHIP

- Evaristo Tercilla

HELEN WRIGHT MEMORIAL FORESTRY SCHOLARSHIP

- Toma Lynn Donceel

•Congratulations•

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