THERE'S MORE TO US THAN MEETS THE ... 1992 FORESTER
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*Eyeing It All Up*
1992 FORESTER VOLUME XLIII

Published Annually by the Students of the School of Forestry and Wood Products, Michigan Technological University, Houghton, MI
A Word From the Dean

By the time you receive the Forester, we shall probably have overcome some of the difficulties we are facing at the time of this writing. Because of significant cash flow problems in the University, there have been several lay-offs, including two employees in the Institute of Wood Research and two at the Ford Forestry Center. I also just received notice from Doug Stokke, one of our best teachers and faculty adviser to the student staff of the Forester, that he's leaving Tech to take a position with the U.S. Forest Service.

On the positive side, several alumni helped to organize a reunion last summer which attracted 84 forestry and wood science alums. Officers were elected for the Forestry Alumni Association, and they are now developing bylaws and setting up committees for planning future activities.

The students went in force to the conclave at Southern Illinois University this fall. Over one-third of our undergraduate student body took part. They finished third overall in the field events.

We're proud to have received one of the first Society of American Foresters awards for support of professional development of employees.

It has been a mixed year; some accomplishments, some problems. We look forward to the coming year with enthusiasm.

Sincerely,

Ed Frayer, Dean
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*Eyeing It All Up*
FEATURES

An Eye Opening Experience
The field of forestry is not only trees and shrubs but the animals that live within them as well. Michigan Technological University has a wide variety of classes and programs involving wildlife for both graduate and undergraduate students. For the graduate program, wildlife projects are dependent on outside grants as well as a student to conduct the study. Some of the projects currently being undertaken are studies in fisher/marten relationships in regards to habitat selection and black bear habitat selection in regards to foraging. On Isle Royale, graduate projects involve different studies of the wolf/moose population such as the skeletal pathology of moose, seeing how calcium drawn from the bones to form horns or provide for a developing fetus affects their chances against the wolves, and studies on how Balsam fir are affected by heavy foraging by the moose. On the undergraduate side, Rolf instructs classes like Mammology and Wildlife Ecology. He also conducts studies on squirrels by tagging and attaching radio collars to them (which the squirrels have learned to chew off themselves recently), and a rodent population experiment at Fall Camp. All these projects make up the MTU wildlife program.
To p t o Bo ttom, clockwise: "Let’s hope they don’t chew this tag off." Rolf Pelerson and class tag and radio collar a captured squirrel. Out of the swirling fog appears a bull moose. A lone wolf howls across the frozen earth on Isle Royale.

The quiet ripple of the stream
The gracefulness of the trout,
The power of the salmon
The cry of the loon,
The call of the wolf
These are but a few of the rewards I receive from nature. For all that nature has given me, it is time I give it something back. That is why I want to be a Forester.
-Ralph Sheffer, January 1992
Xi Sigma Pi

Xi Sigma Pi is a National Forestry Honors Fraternity. The objectives of the society are to secure and maintain a high standard of scholarship in forestry education, to work towards the improvement of the forestry profession, and to promote a fraternal spirit among those engaged in activities related to the forest. Members must be of Junior standing and secure above a 3.0 grade point average.

New light was shed on our organization during the 1991-92 school year. Thirteen new initiates doubled our membership. Also, Glenn Mroz filled the position of faculty advisor. The theme for our annual Symposium this year was “The Ecology and Management of Wetlands.” The controversial wetlands issues targeted a wide variety of professionals and students as well as the general public. The underlying purpose for this symposium was to present information needed to make educated contributions to wetlands policy in the future.

Nick Monkevich — Forester

Officers: Left to Right:
Nick Monkevich — Forester
Jeff Morse — Ranger
Mike Touchinski — Associate Forester
Don Bragg — Secretary-Fiscal Agent

1991 Inductees: Left to Right, Front to Back:
Carl Helquist, Greg Blount, Todd Miller, Lisa McDonald, Tonja Carriere
Jeff Thompson, Ralph Sheffer, Gunnar Johanson, Paul Etten, Dave Buckley, Bob Tylka, Bill Burns, Mike Tighe.
Student Chapter
Society of American Foresters

Top to Bottom — Left to Right:
Brian VanPatten, Rich Trevillian, Carl Helquist,
Wes Windover, Neil Besteman, Dan Fehringer,
Nick Monkevich, Todd Opperman
Clark Trowbridge, Andy Londo, Craig Foy,
Sandy Thoney
Ralph Sheffer, Dave Buckley, Mike Tighe, Keith
Magnusson, Amy Collick
Paul Etten, Brenda Haskill, Don Bragg, Brian
Hamilton, Steve Froelich, Tonja Carriere, Lisa
McDonald, Joe Kaiser
Clarence Puska, Bob Kling, Paul Helser

SAF Officers
Left to Right: Steve Froelich, standing in for
Dan Aiken; Secretary/Treasurer
Paul Helser; President
Tonja Carriere; Vice-President
Carl Helquist; Project Co-ordinator
Management of wildlife and their ecosystems is becoming a major component in forest management. On Isle Royale wolves are studied heavily by Professor Roif Peterson.

Below: A wildlife biologist for the Ottawa National Forest speaks to Professor Glenn Mroz's silviculture class as part of a fall field trip.

A common misconception is that Forest Management and Timber Management are one and the same. This is not the case; Forest Management encompasses a much larger scope. Forest Management uses classes that students have already taken, such as hydrology, timber harvesting, soils, and wildlife, and applies them in a multitude of areas. The main purpose of Forest Management is to achieve the goals that the land owners want. Some goals include maximum timber yield, aesthetics, and wildlife. Forest Management can greatly increase the monetary or aesthetic value of the land.
Soil analysis is important to forest management techniques. Above are students of Professor Steve Shelton's soils class on a field trip to a local farm.

Left: Sandy Thoney and Steve Ulewitz enjoy outdoor field trips which are a key aspect towards developing knowledge of forest management.
Forest Technicians

The Forest Technology program at MTU is a two year Associate Degree program stressing both the mechanical and technical aspects of forestry. These studies are concentrated at the Ford Forestry Center in Alberta during the fall term of a student's second year. The studies include some consulting experience and heavy equipment operations, such as bulldozers and skidders. Interviews with people who are presently serving as consulting foresters leads to practical experiences. Field trips include visits with private industry as well as government agencies.

While on the Houghton campus, the students concentrate their studies in business as well as forestry. The business courses are critical to the technician program in order to prepare them for forestry jobs. After completion of the technician program, students are encouraged to transfer into the School of Forestry, where they can attain a B.S. in Forestry with an additional nine or ten terms of study.

Pictured above is some of the equipment the forest technicians must become familiar with.

**Top Left:** A John Deere Cable Skidder drags its load out to the landing.

**Top Right:** Winter logging is a necessity in the Upper Peninsula. The fully loaded truck makes its way out of the frozen forest. Working with loggers is essential to forest technicians.

**Above:** A Drott Feller-Buncher lowers its load into neat piles after being sheered off by scissor-like blades.
As the world's technology rapidly increases, Michigan Tech's School of Forestry and Wood Science is keeping pace. The Remote Sensing Area is headed by Assistant Professor Ann Maclean. Remote Sensing involves technology such as aerial photography, Geographic Information Systems (GIS), and computerized digital imagery, which are all incorporated into the program. These latest technologies are used by foresters for many different purposes. The main result is to obtain information about the land, the vegetation, and the objects on the land for use in forest management. For example, air photos may be used to develop a map of the various timber types of an area. Learning to use and interpret air photos is part of the required forestry curriculum. Outside of the University, various students are working on a project with the Michigan Center Groundwater Education program, developing a management plan for the Grand Island Recreation Center using GIS, and mapping the surface temperatures of Lake Superior utilizing digital imagery. This part of the MTU curriculum is definitely living up to the "Technological" aspect.

Right: An aerial view of the Houghton-Hancock area. Photos such as these allow for timber type distinctions, topography changes, and various other aspects.

Below: Scott Miller (far left) and Ben Travis (2nd to left) demonstrate the global position system equipment to FW 455 Aerial Photography students. Next to Ben Travis (L to R): Kathy McMillan, Chris Hauglie, and Sandy Thoney.
WOOD SCIENCE

Innovations for the Future

Right: Shown here are wood products alternatives to plastics. On the left are prototype fish boxes for use in Europe and on the right is a chair molding for a common easy chair. Both are made of approximately 95% wood particles and 5% glue material. Prototypes like these are designed and formed in the Institute of Wood Research.

Michigan Tech's program in Wood Science was started in 1975 with the name Wood and Fiber Utilization. It is designed as a material science discipline for the wood products industries. The degree educates students for scientific, technical, and management careers in the wood products industry. Students in Wood Science may concentrate in the areas of Engineering, Chemistry, or Business. Career opportunities for graduates is very diverse with positions in industry, government, education, and research.

The program currently has only fifteen undergraduates, which allows for a lot of one-on-one education with professors, and students receive special attention in their area of interest. For those wishing to further their education, the school offers a Masters of Science in Forestry and Doctor of Philosophy in Forest Science. Ph.D. students concentrating in wood engineering study in the areas of wood structures, industrial engineering, and numerical control. Those concentrating in wood chemistry study the chemical components of wood with emphasis on the areas of pulping, adhesives, and preservatives. Finally, those concentrating on business study manufacturing management, strategic policy of forest product films, capital budget decision making, marketing strategy, and the changing demand for wood products.
Left: Associate Forestry senior Jeff Cronce holds up a molding part for automobiles formed from recycled plastics and wood fiber.

Below: Pictured here is wood pulp dryer used in the Wood Science lab to prepare the pulp for formation into products.

Left: Associate Professor of Wood Science Bernie Sun invented this machine to draw pulp and other fine particles up and blow them out in a precise and even pattern to create stronger wood/plastic products.

Above: One of the many presses that form panels of wood products.
HERE'S SOIL IN YOUR

Above: Professor Steve Shetron displays his model of a vertical sample of soil with its different layers, or horizons.

Above: Susan Leppanen works on research projects with soil in the laboratory. Here she is using a process to separate the different soil components.

A degree in Forestry from Michigan Tech often holds more than a person may expect. The goal of a soils concentration, as well as that of the other concentrations within forestry, is to prepare students for something more specific, yet related to forestry. For about the past fifteen years, MTU has had sufficient numbers and types of courses to qualify graduates as either a Soil Scientist or Soil Conservationist. The curriculum is approved by the USDA and is on the Civil Service Register. This assures that many job opportunities are available as recruitments come in through the department.

Professors Steve Shetron and Marty Jurgensen, as well as Lab Manager Jill Schultz-Stokker and Research Assistant Susan Leppanen are active in soils research. Shetron has been involved in various research and management projects throughout the Upper Peninsula for the past twenty years. The department has done research work for the USFS and the Michigan Soil Survey.

The FW230 Soils class, which is part of the required forestry core, has the privilege of a field trip with local District Soil Conservationist Bruce Petersen. Petersen works for the Soil Conservation Service and described his job duties as a variety of both indoor and outdoor projects with the emphasis on tailoring land use for individual goals. The class traveled to two different project sites and learned a bit about soil conservation.

The study of soil is a critical factor in the field of forestry and is interrelated to all other aspects of this expanding field. Its importance is reflected in MTU's forestry curriculum.
Top Left: During a class field trip, Soil Conservationist Bruce Petersen explains to the FW 230 Soils class a project involving excavation of ponds for wildlife habitat at the request of a private landowner.

Middle Left: Petersen discusses characteristics of local farmland soil while Shane Fullerton listens attentively.

Middle Right: Danielle Krall and Karen Mashak pound, roll, and sift soil samples during FW 230 Soils lab.

Bottom Left: Paul Heiser gets “down and dirty” demonstrating the art of sifting soil.
Experience, $, Friends =

As we all know, research plays a very important roll in the fields of Forestry and Wood Science. Without the undergraduates and graduate students, many of the steps of research would take much more time and money than it already does. First-year students are recruited to assist researchers as part of a work grant provided by the School of Forestry and Wood Products. For the first-year students it provides them with the opportunity to get to know professors, upperclassmen, graduate students, and many of the staff, but most of all it makes them more comfortable with all the aspects of the School. For upperclassmen, it supplements normally low incomes, provides job experience, and leads to future employment connections. Benefits are plentiful to all the students but the one who benefits the most from research is the environment. A few of those projects currently underway are the effects of acid rain on the northern hardwoods forest, effects of Extra Low Frequency (ELF) on red pine and the effects of overstory and understory manipulation on northern red oak regeneration in oak and pine stands. These are just a drop in the big bucket of research here at the School of Forestry and Wood Products.

Center: "Playing in the mud was never this fun when we were kids!" Eric Perrault (left) and Mark Vaughan are potting aspen in the greenhouse for Zofie Gagnon.

Right: "I didn't want these fingers anyway." Gordon Mow grinds collected leaf litter from the ELF research project.

Far lower right: Gary Hoikka flashes a smile in the soils lab.
RESEARCH

Below: Jason Matthews waters a variety of tree species in the greenhouse.

Bottom Left: Todd Miller (left) and Ralph Sheffer demonstrate varying degrees of enthusiasm over sorting red pine needles for Johann Bruhn.

Bottom Right: John Vucetich goes to new heights for Rolf Peterson while hanging a polar bear skin in the forestry building.
Fuzzy Fungus or Massive Monster?! 
(BOTH!!)

Below: Located near Crystal Falls, MI is the famous home to Armillaria bulbosa. The planted red pine test site is surrounded by a northern hardwoods forest.

Right: Pictured here are the fruiting bodies that appear in the fall from A. bulbosa. Accurately named the “honey mushroom” for its honey-colored cap.

Fame was brought to the School of Forestry and Wood Products at MTU thanks to Dr. Johann Bruhn and some of his colleagues from the University of Toronto in Mississauga, Ontario — Dr. Myron L. Smith, and Dr. James B. Anderson. What was the cause of all this attention? Armillaria bulbosa, a new strain of a common and well-known root decay fungus. The fungus is located at an MTU field research site near Crystal Falls in Iron County; it covers approximately 37 acres underground, is about 1500 years old, and weighs at least 10 tons. The cord-like “rhizomorphs” which are approximately 1/16” in diameter weave their way underground in a web-like pattern in search of stressed tree roots to invade and decay. This wood decay fungus produces honey-colored mushrooms off the forest floor in September. Most often these mushrooms appear on old stumps and at the base of dead trees. A. bulbosa is an essential part of the processes of life by decaying wood and turning it back into carbon dioxide and water. That carbon dioxide is then taken in by plants which produce oxygen for us to breathe. These mushrooms are edible as long as they are correctly identified and thoroughly cooked. Dr. Bruhn even finds them quite tasty but strongly advises very cautious choices when picking mushrooms in the forest because many look-a-likes can be poisonous.

So what’s the big deal you ask? Well, the study of forest pathology is a very quiet field (creeping fungi are quiet) only recently being studied heavily as an important aspect of forest management. Needless to say, pathology didn’t receive much attention until now. Unfortunately for the scientists, news of A. bulbosa was released on April Fool’s Day. Some took it as quite a joke but soon learned of its truth. The media had a field day with A. bulbosa calling it everything from “old-moldy” to a “subterranean monster.” Residents of Crystal Falls must be waiting for A. bulbosa to reach up and snag the kids from the bus stop any moment.

A few true and interesting facts on A. bulbosa:
- one of about 10 Armillaria species in N. America
- not very aggressive disease agent, it prefers hardwoods
- found in hardwood forests in N. America, Europe, and Japan
- individuals of this species are quite territorial
- honey-colored mushrooms only appear in the fall
CLUBS & ACTIVITIES

An Eye For Adventure
Right: Steve Froelich soaks up the abundant sun in southern Illinois.

MTU Travels to SIU CONCLAVE

Above: MTU Conclave Team; Back Row L to R: Mark Books, Brian Hamilton, Desmond Walsh, Randy Keen, Brett Gess, Kirk Kass, Wes Windover, Craig Foy, Neil Besteman, Sandy Thoney, Avery Beyer, Lisa McDonald, Craig Farrer, Andy Londo, Dave Buckley, Jason Egan, Kirk Buckler, Mike Tighe, Nick Monkevich, Steve Froelich

Middle Row: Dan Aiken, Jennifer Dustin, Mike Manthei, Jodi Helland, Christine DeGryse, Dan Reese, Scott Pugh, Clark Trowbridge

Kneeling: Terry Sharik, Joe Kaiser, Matt Bess, Keith Magnusson, Jane Hamilton, Katrina Schnovich, Kay Stahl, Jess Turino, Amy Collick, Brenda Haskill, Todd Miller, Paul Helser, Carl Helquist, Jeff Morse
Above: Desmond Walsh gives it his all in the tobacco spit.

Left: "Slim, you're supposed to push too!" Dan Fehringer (left) and Craig Farrer roll a very awkward 12" log in the men's logroll.

Above: Todd Miller gives total concentration while competing in the match split.
Left: Brian Hamilton gives the old heave-ho in the pulp toss.

Above: Desmond Walsh gives it his all in the tobacco spit.
Middle Left: Kirk Kass drops the axe in hopes of seeing sparks during the match split.

Middle: "Are you sure this saw is new?!" Carl Helquist saws his way to 1st place in the one-man bucking event.

Middle Right: Dan Fehringer shows good form in the pulp toss.

Lower Left: Steve Froelich demonstrates how well sticking your tongue out helps in the two-man bucking.

Lower Right: In a quick 24 seconds the Jack & Jill bucking team of Todd Miller & Brenda Haskill sawed off a cookie from this 10" Oak cant.
Center: "Brett, wouldn’t the other side cut better?" Brett Gess prepares for the one-man bucking event.

Special Event

Below: Dan Aiken and Mike Tighe begin the special event by pushing the log through this pool of water.
Upper Right: Tonja Carriere and Lisa McDonald then paddle a canoe around a buoy with the log in tow.
Lower Right: Avery Beyer finishes the event, after it had two cookies cut off and was chopped in half, by making a hatchet stick in to one of the upturned halves.

Conclave proved to be another adventure for all 46 students and Professor Terry Sharik. The caravan left at 5 am and all arrived safely in Carbondale Illinois between the hours of 10 and 11 pm. Those schools who attended were Southern Illinois Univ., Southeastern Illinois College, Univ. Minnesota, Mich. State Univ., Purdue Univ., Univ. of Illinois, and of course Missouri Univ. MTU won 3rd place overall and everyone had a good time. Special thanks to Terry for all his patience & crafty driving.

Carl Helquist — One-Man Bucking-1st; Chain Throw-1st; Speed Chop-3rd
Carl H. and Avery Beyer — 2-man log roll-6th
Sandy Thoney and Katrina Schnobrich — Women’s Bucking-4th
Jodi Helland — Wood I.D.-1st
Avery B. and Lisa McDonald — Jack and Jill Buck-3rd
Jeff Morse — Wood I.D.-3rd
Jason Egan — Wood I.D.-4th
Jason E. and Steve Froelich — 2 man buck-3rd
Jason E., Dan Fehringer, Brian Hamilton, Dan Aiken-Pulp Toss-3rd
Special Event Team — 3rd Place
FALL CAMP '91: Back to Alberta

1991 FALL CAMPERS
Top to Bottom, Left to Right:
Back Row: Mike Waterman, Scott McIntyre, Eric Peterson, Eric Farnsworth, Kathy MacMillan, Brian Hamilton, Jennifer Dustin, Dan Siewert
2nd Row: Randy Keen, Mike Manthei, Matt Kastner, Kris Hauglie, Jodi Helland, Brian VanPatten
4th Row: Amy Collick, Jessie Turino, Des Walsh, Neil Besteman, Mark Books, Steve Davis, Clayton Arndt, Matt Puro
Front Row: JED the DOG

Fall Camp, better known to this year's crew as "The Alberta Soap Opera" is the place where a ragtag bunch lived, worked, played and created memories to last a lifetime. So let's stir some memories. The "We Survived Terry Sharik" party, looking for Joe Kaiser's many lost deer, half the movies in L'anso, Ol' Jed, cross country biking, the Halloween party, Saunas, Canyon Falls, snowball fights in class and the "Ashbowl" football games! Shake a few cobwebs off the brain? In the process of having fun we learned a lot. That was Fall Camp!

Neil Besteman
Upper Left: “Just when you thought it was safe to go back in the woods.” Matt Kastner wields a saw while sample collecting.

Upper Right: “I know it’s in here somewhere!” Terry Sharik demonstrates how to measure plant moisture stress.

Left: The Alberta cliff diving team prepares to leap from a quiet spot at Canyon Falls. Left to right: Amy Collick, Brian VanPatten, Scott McIntyre, Mike Manthei, Neil Besteman, Desmond Walsh

Lower Left: Brian VanPatten and Jane Hamilton model their new organic thinking caps — a needed accessory for Terry’s Ecology class.

Below: No matter where class had to go, the “Magic Bus” got them there. (Just not very quickly)
Above Four Pictures: The Fall Chili Luncheon drew quite a crowd this year. The chili was excellent and everyone seemed to have a good time.

Above: Wildlife Club member John Vecietch (right) awaits interested students, who would like to join the MTU student chapter of the Wildlife Society, at the Fall Chili Luncheon.
Front Row L to R: Greg Blount, Todd Miller, Lisa McDonald, Tonja Carriere.

Top Right: Mary Beth (right) and Jill have a little pow-wow during the Fall Chili Luncheon.

Above: Craig Farrer (Slim) gets into the action for Conclave practice.
Left: Brian VanPatten (back) and Jane Hamilton enjoy a calm Fall canoe ride in Alberta.
1992
SAF
Banquet

Top Right: Gas Can Road Kill — Lisa McDonald proudly displays the can she hit this summer, salvaged by Dan Fehringer.
Top Left: “I'd like to thank my mother” — Glenn Mroz receives the Outstanding Professor Award.
Left: Soil Studies, Kid Style — Steven Shetron gets some new tools to aid in his soils work.
Above: Aw, Shucks — Gordon Mouw was elected Outstanding Freshman this year.
"Hit it, gang!" — Mary Beth's band "Jigsaw" provided entertainment for the evening.

Below: Nick Monkevich pauses a moment before presenting Senior awards.

Left: "No applause, just throw money." Master of Ceremonies Greg Blount smiles and talks the night away.

Above: The yellow pages lend a helping hand to Pat Palkovic in her quest to see over the steering wheel in her car.
"A Winter Snowfall Brings World Cultures To All"

70th Annual Winter Carnival at MTU

Top and Left: The finished forestry ice sculpture, "Forestry is the Root of all Culture". We won 5th place in the student organization division with our depiction of the planet earth growing six pine trees and resting on a giant tree stump.

Above: "Mush, you Foresters!" The forestry team races toward the finish line in the winter carnival dogsled race.
Left: Delta Sigma Phi won 1st place with their "Ven-ice" sculpture, showing a church and an outdoor restaurant along a canal where a gondolier sails.

Middle Left: Sigma Pi chose an Olymp-ice theme for their statue, which included the Olympic torch, a bobsled run, and a ski jump.

Middle Right: Phi Kappa Theta remembers the fall of the Berlin Wall and an end to the cold war with their sculpture.

Left: A dragon rages across the street in this Chin-ice New Year created by Sigma Tau Gamma.
Top Right: "Ahh! Spring is in the — Eyes?" Dan Fehringer (foreground) dodges smoke while manning the grill at the spring cookout.

Above: "Hot dogs with a smile!" Nick Monkevich grills 'em up for one and all at the cookout.

Right: The picnic tables were filled with hungry faculty, staff, and students — not to mention plates of excellent food.
Cabin Capers!

**Top Left:** Kurt Buckler (standing) and Brett Gess check out the fire at the cabin.

**Middle Left:** Winter fun (and work) at the cabin — shoveling off the roof.

**Middle Right:** Charlie Brecken, Brett Gess, and Dave Buckley make ready for a good old weenie roast while visiting the Cabin this fall.

**Bottom Left:** Carl Helquist displays what happens when you stay out in the snow too long at the Otter River Cabin in the winter.

**Bottom Right:** Paul Etten is trying a new Olympic sport — Cabin Roof Sledding.
UNDERGRADUATES

We've Got Our Eye On You
FRESHMEN
WE'VE GOT OUR EYE ON YOU

Left to Right, top to bottom: Mark Burgenmeyer, Hope Pruden, Lon Lukach, Ryan Mattson, Jamie Loehr, Bob Burnham, Dianna Koryczah, Joe Forester, Ed Rice, Gordy Moww, Jim-Bob Forester, Jack Johnson, Annette Gullickson, John-boy Forester, Marsha Klein, Bob Busby, Katrina Schnobrich, Mark Hitzeman, Erik Bauss, Erik Shipman, Jake Forester.

Erik Bauss
Northville, MI
"Snowboarding King of Mont Ripley"

Annette Gullickson
Alexandria, Virginia
"Quite possibly the world's happiest freshman!"

Bob Burnham
South Lyon, MI
How was dendrology?
"Terry's class was hard but I learned a lot. Still the best thing about Tech is the people and the parties!"
Sophomores

How do you feel about the new lab fees introduced in the School of Forestry?

Eric Peterson Tenary, MI
The computers are something that we need, so the University places high fees on their use.

Amy Collick Fenton, MI
This increase is going to be tough for many students, but if the school can’t cover the cost, we are unfortunately stuck with it.

Scott McIntyre Kingsford, MI
With the current financial mess, I think it is fair.

Top Row: Left to Right: Randy Keen, Brian Hamilton, Brian Van Patten
2nd Row: Eric Peterson, Laura Juntikka, Eric Farnsworth, Neil Besteman
3rd Row: Debbie Lipyanic, Amy Collick, Dan Siewert
4th Row: Mike Manthei, Jessica Turino, Scott McIntyre
Bottom Row: Matt Kastner, Matt Puro, Jodi Helland, Joe Kaiser, Pete McKirdy, Neil Martinik
Not pictured: Des Walsh
Juniors

Bottom Row: Lisa McDonald, Tonja Carriere, Brenda Haskell, Paul Heiser, Kris DaPra
2nd Row: Paul Etten, Scott Pugh, Bonnie Foster, Clarence Puska, Rich Trevillian
3rd Row: Bill Burns, Jason Matthews, Dan Kos, Craig Foy, Keith Magnusson
4th Row: Ralph Sheffer, Mike Tighe, Shane Fullerton, Wes Windover, Gunnar Johanson, Todd Miller, Bob Kling
Not Pictured: Matt Bess, John McCabe

What's your favorite tree and why?

Keith A. Magnusson
Hometown: Germfask, MI
"Any tree that is merchantable. The more of them that there are means more work for us as Foresters."

Scott Pugh
Hometown: Portland, MI
"The white oak because it's a symbol of strength and it helped our forefathers preserve and protect part of our national heritage — liquor!"

Bonnie Foster
Hometown: Bloomer, WI
"Black Locust because I had trouble identifying it and remembering it’s Latin name was a challenge."
1991-92 Seniors & Graduates

It has been a year of campaigning presidential candidates and a year of financial hardships and turmoil for our university. A time to welcome home patriots and to witness as our nation and its economy struggle with a recession. It has also been a year of freedom that no imagination could have fathomed and on a more personal note, it has been our senior year and for a lucky some, the year we graduate.

The seniors that comprise the class of 1991/92 derive from a host of varied backgrounds and their interests for forestry are just as diverse. Speaking as a senior of this class, when I first entertained the idea of working for a B.S. at MTU, the task seemed to be quite distant and overwhelming. And in that time, many faces have faded from the program while other faces seemed to become permanent fixtures of the building much like the murals on the wall. Furthermore, during that time many friendships have been forged and memories shared.

However, it seems as if the semesters and our years have just quickly faded and now it is time to greet our futures, be it graduate school or a place in the working sector. So here is to the seniors of the 1991/92 class and the professors, parents and peers that guided us through our endeavors. Likewise, to our futures, that only our minds can limit!
Richard L. Ashcraft  
B.S. Forestry  
New Haven, MI

Avery P. Beyer  
B.S. Forestry  
Ann Arbor, MI

Gregory D. Blount  
B.S. Forestry  
Wetmore, MI

Daniel J. Aiken  
B.S. Forestry  
Escanaba, MI

Don C. Bragg  
B.S. Forestry  
Rhineland, WI

Charles A. Brecken  
B.S. Forestry  
Houghton, MI
Jeffrey D. Cronce  
B.S. Forestry  
North Branch, MI

Daniel J. Fehringer  
B.S. Forestry  
St. Clair Shores, MI

Kathryn A. Jarvi  
B.S. Forestry  
Beaver Creek, OH

Jason B. Egan  
B.S. Forestry  
Minerva, OH

Steven F. Froelich  
B.S. Forestry  
Escanaba, MI

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Philip Forboseh Ph.D. (not pictured)

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Robert Hatala M.S.
Robert Hawke M.S.
Left to Right:
Gary Howard Ph.D. (not pictured)
Choonsig Kim Ph.D.
Kari Kolppo Ph.D.

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Bei-Hong Liang Ph.D.

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James McLaughlin, Ph.D
Julius Mercado M.S.
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Hua Ouyang Ph.D.
Xianzhi Quan Ph.D.

Left to Right:
Mary Sansone M.S.
Ying Ping Sheng Ph.D.
Dong Il Shin Ph.D.

Left to Right:
Phat Tran
Ben Travis M.S.
Kuo-Sheng Tung M.S.
Top: Dean Frayer and U.J. "Bert" Noblet's son pose in front of the mural that was dedicated in Bert Noblet's honor.

Above Right: Two of Rolf Peterson's work study students hoist a polar bear onto the wall above the stairwell. (Erik Shipman is at the bottom of the ladder)

Above Left: "Dendrology — 8 a.m! That's not funny!" (Left) Lon Lukach and (right) Gordon Mouw bright-eyed and bushy-tailed for FW 201.
Left: "What is that up there Johann?!" Left to right- Dr. Johann Bruhn, Jeff Cronce, and Don Bragg check out a tree in pathology lab.
Below: Looking over samples for pathology lab quizzes-(foreground) Jeff Cronce, (L to R) Todd Miller, Dan Tighe, and Kathy McMillan.
Bottom left: Professor Rolf Peterson (left) and Craig Farrer prepare to tag some squirrels in wildlife ecology lab.
Bottom right: Mark Books scoops it up during the spring fling cookout.
They Keep Their Eye On Us
FACULTY AND STAFF

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Douglas D. Stokke
Bernard C.H. Sun
William A. Yrjana

Bottom Row:
Ford Forestry Center—
Alberta
James Dougovito
Not pictured
Sharlene Kanniainen
David Stimac
IN HONOR OF...

Doug Stokke is a person who will be fondly remembered at Michigan Tech by anyone who had the pleasure of knowing him. Doug was an Assistant Professor in the Wood Science curriculum and was perhaps most well known for teaching Wood Technology to the Foresters. He was regarded as an excellent teacher and a warm, friendly person. Doug was also Advisor to the MTU Forester Yearbook for four years, providing much appreciated help and support. But he hasn't left this world forever. In December of 1991, Doug accepted a position at Southern Illinois University in Carbondale, Illinois (location of the 1991 Foresters' Conclave). He will be doing wood research at a USDA Forest Service Station. Doug and his wife Jodie formerly lived in Chassel and more recently Copper City. Hopefully, they are enjoying their new home in tropical Illinois where it never snows and the days are long and sunny! On behalf of faculty, staff, students, and especially the yearbook staff, I'd like to thank Doug for all he has done for us and wish him happiness and success for the future!

Lisa McDonald

Above: Doug Stokke, Assistant Professor in MTU's Wood Science curriculum, hard at work in his (old) office.
Right: Doug and his wife Jodie and their dog Buddy near their Copper City home.
1992 YEARBOOK STAFF

Far Right: Ed Frayer — Fiscal Advisor
Middle: Mary Beth Maurer — Advisor
Right: Brenda Haskill — Editor in Chief

Upper Left: Kris DaPra — TypeVision Copy Editor
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Bottom Row: (L to R): Shane Fullerton — Photo Lab Supervisor Todd Miller — Photo Lab Assistant Dan Tighe — Senior Section
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Above: The conference room bulletin board gets used for the artistic humor of everyone, not just the professors.

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Above: These three lucky Foresters finally got dates at Fred’s Halloween party. “Way to go guys!”

Above: Ralph explains a homework problem to a perplexed Tonja.
Above Right: Are you daydreaming again Bob?
Middle Right: Steve Froelich shows off his "do" as head of "Mohawk Timber."
Lower Right: Arnie Johnson displays her secretarial skills as a work study student for Johann Bruhn.
Lower Left: While minding his own business, the "Conclave Elk" was hit by an errant Nerf missle.
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Above: A scenic overlook of Portage Canal in winter.

Above: The Otter River Camp bridge doesn't look so safe, does it?

Above: These four Foresters show off their better halves.
1992 PATRONS

The Forester Staff would like to thank these patrons for their support of undergraduate education in Forestry and Wood Products at Michigan Tech. Patrons donate $25 or more through the Forester to the Michigan Tech Fund, designated for Forestry. All funds are used for undergraduate scholarships in Forestry and Wood Products.

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