Satellite mapping detects tree disease

the old gag about not being able to see the forest for the trees. Scientists have discovered it's easier to detect disease in forest Atlantic

acres of forests in Florida, Georgia, Mississippi, Louisiana, Alabama and Texas. Other paper and timber companies also use aerial satellites to measure their and government users, the most difficult part of satellite forests and are increasingly starting to use them to monitor

shifting area of forests in wet and dry seasons has been going on for some time. NASA, the United Nations and countries along the Sahel, the fragile green belt on the southern edge of the Sahara desert in Africa, get data from a satellite that pinpoints the most stable grazing saying a green area on a slide and planting areas of the Sahel projection from a satellite photo as they change.

The nomadic tribes who live

the best vegetation is and are right on the nose," he said.

The satellite covers the earth United Press International
NEW YORK — Satellite mapmoved to these areas. This preping has given new meaning to vents overgrazing and overplanting and slows the desert's relentless growth towards the Gulf of Guinea area of the

trees from a satellite 440 miles up in the skies than by walking among the trees on the ground.

St. Regis uses satellites to monitor two and a half million world, and for making detailed world, and for making detailed world, and for making detailed world. maps that will serve as guides for

mapping and monitoring projects is on the ground, training the condition of the trees.
Using satellites to map the ly the data the instruments in the satellite collect, said Bob Barker,

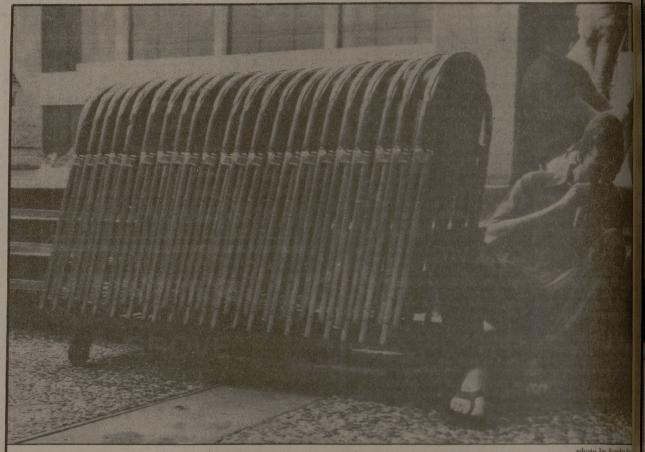
manager of St. Regis's Forest Resources Information System. If you accomplish that, you can get marvelous results, said Bud Goodrich, a St. Regis expert in image processing. He said he stuck his neck out by was thick pine and that it would yield 35 cords or more wood to in that part of the world then are the acre. "When we made a land advised by local officials where inspection we found we were

in a corkscrew rotation, scanning the same path once every 18 days, thus making up to 20 complete sets of photos a year, subject to cloud conditions, at a cost of fractions of a penny an

The satellites already in orbit can measure energy reflections sufficiently to distinguish evergreens from hardwoods and soybeans from corn. The next group not only will detect disease in vegetation but insect infestations, not to mention remote fires that can't be detected by the eye from an airplane.

The saving in money and time in comparison with conventional ground timber surveying is astronomical, Barker said.

St. Regis said it expects satellite monitoring and mapping to provide absolute proof that the United States really is facing a major crisis of timberland depletion and must resort to a great expansion of professional management of privately owned timberlands, particularly in the



What are chairs for?

With a rack full of chairs, why would anyone sit on dirty ground? Gary Stone, a freshman electrical engineering major from Houston, said: 'It's just more comfortable here." Stone was

sitting on the steps of the walkway between Memorial Student Center and Rudder Tower chairs were being used for the arts and craft in the square Thursday.

Association of Former Students Spring Senior Induction Banquets

> April 14 & 15, 1982 6:30 p.m. M.S.C.

All May and August graduates are invited to attend. Complimentary tickets will be available April 5-9 in the lobby of the Forsyth Alumni Center. Banquet is free — but you must have a ticket to attend.

TICKETS GIVEN ON FIRST COME — FIRST SERVED BASIS



Now Better Than Ever. You Will Be Pleased With These Carefully Prepared and Taste Tempting Foods. Each Daily Special Only \$2.19 Plus Tax. "Open Daily"

Dining: 11 A.M. to 1:30 P.M. — 4:00 P.M. to 7:00 P.M

MONDAY EVENING SPECIAL

Salisbury Steak with Mushroom Gravy Whipped Potatoes Your Choice of One Vegetable
Roll or Corn Bread and Butter Coffee or Tea

TUESDAY EVENING SPECIAL

Mexican Fiesta Dinner Two Cheese and Onion Enchiladas w chili Mexican Rice Patio Style Pinto Beans Tostadas One Corn Bread and Butter

WEDNESDAY **EVENING SPECIAL**

Chicken Fried Steak w cream Gravy Whipped Potatoes and Choice of one other Vegetable Roll or Corn Bread and Butter Coffee or Tea

THURSDAY EVENING SPECIAL



Italian Candle Light Spaghetti Dinner SERVED WITH SPICED MEAT BALLS AND SAUCE Parmesan Cheese - Tossed Green Salad Choice of Salad Dressing — Hot Garlic Bread Tea or Coffee

FOR YOUR PROTECTION OUR PERSONNEL HAVE HEALTH CARDS.

FRIDAY EVENING SPECIAL **BREADED FISH**

FILET W TARTAR SAUCE Cole Slaw Hush Puppies Choice of one vegetable Roll or Corn Bread & Butter

SATURDAY NOON and EVENING SPECIAL

Yankee Pot Roast (Texas Salad) Mashed Potato w gravy Roll or Corn Bread & Butter Tea or Coffee

SUNDAY SPECIAL NOON and **EVENING**

TRA

ROAST TURKEY DINNER Served with
Cranberry Sauce
Cornbread Dressing
Roll or Corn Bread - Butter
Coffee or Tea Giblet Gravy And your choice of any One vegetable

"Quality First"

Rabbi finds Army life busy

United Press International FORT HOOD — What is there for a Jewish rabbi to do on Capt. Jacob Rar

the U.S. Army's biggest post? Capt. Jacob Rand, the only

CORRECTION

THE **BANDS**

> APRIL 8 in the

GROVE

with: the REACTORS

FUSION AND MORE...

6:00 p.m. tickets \$200 **MSC** Basement

Attention Students!



303 College Main

(Down from Loupots, next to Whites)

Summer Prices!

Shampoo, conditioner, cut, blow dry-style

Men \$10.00

Women \$15.00

Phone 846-8528 for Appointments

Ask For:

Tom Brooks or

Mon.-Sat. 9 a.m.-Till?

rabbi on the huge Central Texas post, wears two hats. Three, actually - maybe four. He's chaplain — minister and counselor — to all denominations in the 54th Signal Batta-

lion; spiritual leader to the Jewish community postwide; the only rabbi between Waco and That's just the church part. Being Orthodox, Rand is also

responsible for keeping kosher on the base, overseeing a Hebrew school and organizing the community's social life. As an afterthought, he's also the only rabbi in the Army qualified to

perform ritual circumcision.

"The battalion commander,
Lt. Col. George Bonbel, has
been very helpful and understanding," he said. "Because I
wear both hats — battalion chaplain and rabbi for the post —
there's sometimes a need for the Jewish chaplain to come out of

his corner and do his thing." Rand, 39, has been a rabbi for 10 years and an army chaplain since October 1980.

So how did an Orthodox Rabbi find himself in the Army?

Well, Rand credits his parents for giving him an upbringing saic, N.J. His three brothers are rabbis, his sister is a medical researcher married to an Israeli Army officer

The military part dates back to childhood, Rand said.

"My mom wanted to dress me up for a picture when I was 5 years old," Rand says. "I was dressed not as a cowboy or a rabbi, but as a soldier. Perhaps that was where I started my military interest.

After graduating from Yeshiva University, Rand returned to Passaic for four years, then on to a ministry in Massachusetts.

"While I was spiritual rabbi in New Bedford, Mass., I joined the reserves, an engineer battalion, and I found a great need for a ministry for not only Jew ish people, but for people I was responsible to," he said.
"I loved my six years in the

pulpit, but I have found great one of self defense.

commitment of three right now I'm thin career in the Army.

Rick Aire from Hou

Pape

buys

Camp Corp.

than \$20 millio

sion. Tuesday

plants will be a

Union Camp

wall bag plants and Tifton, Ga

pany already

container man

Last Decem

V.J., firm and

agreement

his week's pur

cludes Harley

building near S

Harley has tv

plants — facto

heavy-duty pap

partanburg, o

ial bags and the

Frank

Fr

HAF

SATL

MANAGE AND A STATE OF THE STATE

William B. H Union Camp's

In addition to a full of Jewish chapel serv events, cultural and edies and a Hebrewso 30 students, Rand's c tion includes civilia Fort Hood suburb Harker Heights and Cove, and from their

of Belton and Temp For the troops, he kosher kitchen and de It's a big job for one Rand says he gets a

from the outside. "We've received a lot based bag make port through Jewish W Board, which is concer said. "We have a lay leads 1st Class Steve Nadel qualified, in case I'm not able, to be the office

The military is a got vironment for a rabbitow he says, given the atmosp tolerance traditional in and New Hope clergy.

"Chaplains have to have in Spartanburg he said. "There are gious rites that shoul formed only by chapl there are other approach God."

In fact, Rand says, assistants are protest Catholic.

"In my chapel I have Jewish people attending vices, to allow them s background and sha background with me. to share faith and a

But how do you re requirements of religion the often violent demand military?

"I'm here to defend the try, not to attack another try," Rand says. "The wh losophy of the United S

DIETING?

Even though we do not prescrib diets, we make it possible for many enjoy a nutritious meal while the follow their doctor's orders. You wi be delighted with the wide selection of low calorie, sugar free and fat free foods in the Souper Salad Area, Sbis Dining Center Basement.

OPEN

Monday through Friday 10:45 AM-1:45 PM

OUALITY FIRST