Vastano said.

Vastano said his area of study

was the modification stage of the

tsunami. His research begins in

deep water at the upward slope

of an island and ends in shallow

water where the run-up begins.

tsunami modification research is

to develop a tool to measure a

known deep water wave as it

moves from deep to shallow water

in order to reveal what happens

The bulk of Vastano's research

is done by feeding mathematical

wave motion problems to a com-

puter. Vastano said he became

interested in wave motion prob-

lems while doing sonar work for

the Bell Telephone Co. near Wake

"Successful research of the tsu-

nami can lead to protection of

lives and property," he said. And

the math and physical problems

Vastano hails from Winston-

Vastano holds a bachelor's de-

gree in nuclear engineering from

North Carolina State and a mas-

ter's degree in physics from the

University of North Carolina. His

research is sponsored by the

Coastal Engineering Research

Center affiliated with the Corps

of Engineers, U.S. Army, which

is vitally interested in all phases

of coastal protection.

Salem, N.C., but calls College

Station home, moving here in

presented are quite interesting."

Island in the Pacific Ocean.

in the run-up stage.

Vastano said the objective of

By GUS GARZA

Battalion Special Writer Drew Vastano, a Department Oceanography graduate stuent, has an extraordinary field of interest. Vastano is doing esearch on the tsunami (soo-

Have you heard of a tsunami? Of course, but under a different name. Vastano explained that sunamis are commonly and popplarly called "tidal waves." Because of the difference in origin, however, the name "tidal wave" is a misnomer.

According to Vastano, tsunams may be created by faulting or ome other sudden movement of the ocean floor. But until some positive evidence of what happens at the source to generate a tsunami, the origin must remain somewhat in doubt.

The tsunami can be broken into our areas for purposes of reearch, Vastano said. The four areas are generation, propagation, modification and run-up. Generation is the origin of the tsunami, propagation is the novement of the tsunami in deep water, modification is change hat occurs when it reaches an island and the run-up is when it actually runs up on the beach and

Vastano said once the tsunams are generated, these traveling ean waves may be of extreme ength and period. Once in deep water there may be many miles rom crest to crest, and just a few feet between the trough to

Transoceanic vessels can't feel e difference, but yet the wave

Consolidated Prep Take Top Honors In District Meet

A&M Consolidated High School udents received awards in Uniersity Interscholastic League istrict competition at Conroe

A&M Consolidated took the top aree places in typing. Billy andal placed first, Dicky Herey took second and Linda Isbell

The A&M Consolidated team Mary Ruth Watkins and Marion Peters won top honors in

Wayne Powell won third place science. Steve Prescott won irst in persuasive speaking for bys and June Sanders won third

Duke Miller took second in etry interpretation and Mary Buth Watkins won third place ready writing.

The three typing winners and rescott will compete in regional ompetition at the University of louston April 22-23.

Profs Collaborate On Industrial Book

A textbooks written by two exas A&M professors for high chool industrial arts classes was leased this week.

"Technical Woodworking" was thored by Department of Inustrial Education head Dr. Chris I. Groneman and another indusrial education professor, Dr. Everett R. Glazener.

"The book emphasizes the uses wood products and the techques of operating modern woodorking machinery," Groneman pointed out.

The volume, illustrated with 1,550 photographs and drawings, vers design, safety, assembly, nishes, hand tools, wood-prodcts industries, forests, research nd conservation.

Groneman, author or co-author f 14 books, is a consultant to McGraw-Hill Book Company. lazener has produced five books.

Local Students Enter Science Fair

Choice

99

Two students' projects at the A&M Consolidated Science Fair will be presented at the district air in Houston Friday.

Wayne Powell's project is entled "Effects of Agricultural hemicals on the Heartbeat of aphnia." Daphnia are common-

"Nutrition of Bacteria," Paul rley's project, will also be sent

known as water fleas.

The Houston Science Fair is consored by the Houston Post nd the Engineers Council of





OUTSTANDING AGRICULTURE PROF, STUDENTS

College of Agriculture's outstanding professor. At left, Dean R. E. Patterson presents

Jim F. Mills, right, of the Department of outstanding agriculture student awards to Soil and Crop Sciences, has been named the James R. Supak, Allen Matthys and Roland

30 Students, Staffers To Make Leadership Trip

Thirty Texas A&M students and staff members will visit Houston Sunday and Monday on the Student Leadership Program

The students will tour the ship channel and port of Houston, the Manned Spacecraft Center and the Museum of Fine Arts. Performances at the Alley Theatre and by the Houston Symphony Orchestra are also on their sched-

Deans of the A&M colleges nominated students and the committee then invited these students to attend the program.

J. Wayne Stark, director of the MSC, and Mr. and Mrs. Carl Shafer will accompany the students on the trip.

Students attending are Jerry Lummus, Jose Adame, Cornelius E. Hill, Martin Hefley, David Gay, Tom Neal, Leslie Bugai, Michael Holloman.

Dennis Hohman, Wallace Johnston, Donald Envick, Louis Moegenburg, Darrell Smith, Kenneth

Reese, Jerry Stevens, Tom Tyree,

Mark Berry. Steve Gummer, Steve Kovich,

Wesley Leftwich, James Allen, Pedro Garza, John Rodgers, Michael Holman and Lani Press-

POST OFFICE RATES INCREASES FOR INSURANCE, MONEY ORDERS

Increases in money orders, insurance, registry, certified mail and COD rates are now in effect at campus post offices. The increases, put into effect under the authority of the Post-

master General, include a five cent increase on all domestic and international money order fees. The minimum insurance fee is now 20 cents instead of 10 cents

with the revised fees as follows: \$15.01-\$ 50 30 cents \$50.01-\$100 \$100.01-\$150 50 cents

\$150.01-\$200 60 cents The registry fees of 60 cents and 75 cents are now combined in a single fee of 75 cents for items valued at less than \$100. Registry fees for items valued at more than \$100 are unchanged.

The COD fee brackets of 40 cents and 50 cents are now combined into a single fee bracket at 60 cents for amounts up to \$10. For articles valued above \$10 there is no change.

The fee for certified mail is increased to 30 cents from the former fee of 20 cents.

Teaching, Learning Seminars On Tap For A&M Profs

THE BATTALION

day-on the other side of the

Seminars on Improvement of Teaching and Learning for A&M professors, instructors and graduate assistants are being offered by the Department of Education and Psychology.

Ninety applications were received from 33 departments and offices representing all A&M schools and colleges, announced Department Head Dr. Paul Hen-

"These seminars are recognition of the importance of the teaching function of the university," remarked Dr. Frank W. R. Hubert, dean of liberal arts. "The tremendous response is evidence the faculty is keenly interested in the learning theory and improvement of instruction."

A&M professors will be instructed in techniques of teaching and learning, student and faculty-student services and educational media on Tuesday and Saturdays. The educational media program is supported financially through the University Committee for Improvement of College Teaching. Funds have been granted to purchase supplies used in construction teaching materials.

Non-credit lectures, demonstrations and workshops will provide faculty members opportunity to construct teaching aids for use in their own classrooms as well as improve their capacities as teachers, Hensarling noted.

Professors have been assigned to sessions on theory of learning, test design, educational psychology and human behavior and

Profs go to class here Satur- learning, in the teaching and learning division of the program.

They will also study problems of university students and faculty and student services available in the Counseling and Testing Center.

Educational media provides six topics including overhead transparencies, 35mm slides and filmstrips, video tape, 16mm moving pictures, audio tape recordings and operating and maintaining audio-visual equipment.

Instructing educational media will be Dr. Douglas F. Parry, coordinator for the entire program. Other instuctors include S. Auston Kerley and Drs. Charles McCandless, Lannes Hope, Albert Casey, Donald G. Barker, William J. Robinson and Walter A. Varvel.

A&M Given Grant By Schlumberger

The Schlumberger Foundation of Houston has awarded Texas A&M renewal grants totaling \$5,000 for 1966-67.

A \$4,000 grant will provide fellowships for high school teachers who will attend A&M this summer.

The remaining \$1,000 will be equally divided between a junior or senior student majoring in electrical, mechanical or petroleum engineering, physics or geology, and his major department.

Announcement of the scholarship winner will be made about May 15 by the Faculty Scholarship Committee.



Guaranteed Meats!

Coupon Worth 25 Hither FREE GOLD BOND STAMPS

ICEBERG LETTUCE

U.S.D.A. Choice Grade Heavy Beef. Full Cut.

Rump Roast
U.S.D.A. Choice Grade Heavy Beef—Lb.

Boneless Steak
Top Round, U.S.D.A. Choice Grade Heavy Beef-Lb.

Boneless Roast
or Stoak, Bottom Round Cut, U.S.D.A. Choice Heavy Beef—Lb.

Garden Fresh Produce!

ASPARAGUS Tender and Spring Fresh—Lb. 29¢



Safeway

timen S Coupon Worth 25 himm FREE GOLD BOND STAMPS 10-oz. Pkg. Chopped SIRLOIN STEAKS Potter S Coupon Worth 25 Mint FREE GOLD BOND STAMPS

With the Purchase of T-Lb. Corton Lucorne COTTAGE CHEESE



Minimum S Coupon Worth 100 minimum minimum FREE GOLD BOND STAMPS

Coupon Worth 100 minimum S Coupon Worth 100 minimum S FREE GOLD BOND STAMPS KITCHEN CRAFT FLOUR

NuMade. Smooth and Creamy—Quart Jar

Salad Dressing Tomato Juice or Pineapple Juice. 2 for

Libby Pineapple * Sliced * Crushed 4 Churiks—No. 11/2 Can 4

Golden Corn Tomatoes Ranch Style Beans 6 for Gardenside—No. 303 Can
No. 300 Can
No. 300 Can





Detergent. (20¢ off label).

Cake Mixes Jell-0 Gelatin Dessert. Assorted Flavors-3-oz. Pkg.

Mrs. Wright's. Assorted Flavors—19-oz. Box

4 for \$1

Baker's Coconut

BONUS BINGO WINNE

MRS. J. D. HERWALD.....BF MRS. J. E. JONES..... RUBY HAYESB BILLY BINFORDBR

SAFEWAY HAS THE RULES

Prices and Coupons Effective Thurs., Fri. and Saf., Match 31, April 1 and 2, in Bryan ...

