

Local

A&M prof finds new analyzer

By TRACY L. FENTON
Battalion Reporter

When Texas A&M University researcher Dr. R. D. MacFarlane was working on nuclear chemistry experiments at the cyclotron, he stumbled on a new way to analyze everything from new cancer drugs to the substance that might be responsible for cavities.

Ion interference during one of MacFarlane's experiments resulted in the development of the plasma desorption mass spectrometer (PDMS).

The PDMS measures molecular weights and gives scientists an idea of substances. Dr. Catherine McNeal, a research scientist at Texas A&M, said PDMS is unique because of its high range. She said the PDMS is able to measure things up to five or six times larger than most mass spectrometers.

"It's a big advantage to be able to work in this higher mass range," she said.

McNeal said PDMS has been a breakthrough in the field of biomedical research because most biological molecules have a much higher molecular weight than could be measured before.

Scientists can now build synthetic genes in the laboratory and analyze the structure of them with the PDMS. Recently they were able to measure a synthetic gene with a molecular weight of 12,643, the highest molecular weight ever recorded with a mass spectrometer.

McNeal said the PDMS at Texas A&M gets samples of new drugs and substances from all over the world for structural analysis.

"Other methods are not as successful at doing this as we are," she said.

It is law in many countries that the complete structure of drugs must be analyzed and mapped before the drug can be released and marketed, McNeal said.

"We get a lot of cancer drugs," she said. "We get molecules that biochemists have isolated that they believe cause things."

McNeal said they have gotten substances to analyze that scientists have isolated and believe cause asthma and cavities.

When scientists know the complete structure of a substance they can modify it to make it less toxic or less allergic.

Cattle insulin is the closest thing to human insulin and is used by diabetics. The amino acids don't match completely, however, resulting in insulin allergies in one out of every five diabetics, McNeal said. With PDMS, scientists can change the amino acids with synthetic genes and reduce allergic reactions.

PDMS works by irradiation of the molecule to be studied. McNeal said a "plasma" of the molecule is spread on what looks like aluminum foil. The man-made isotope californium-252 is placed behind the foil and makes ions of the molecule bounce off the foil. She said the length of time it takes the ion to reach the detector in the front of the spectrometer is proportional to the molecular weight. If the molecule is heavy, the ion takes a long time to reach the detector. If it is light, the ion bounces off quickly.

Mini-class sign-ups available

A series of Christmas mini-classes offered by the College Station Community Education program are open for registration through Thursday.

The 20 classes, scheduled to begin Monday, will include instruction in crochet, gift wrapping, holiday cake decorating, sign language, self-defense and rape prevention for women, Spanish and several exercise classes. A smoking clinic will also be offered.

Registration will continue through Thursday in the Community Education office at 1300 Jersey from 9 a.m. to 4 p.m., and on Wednesday from 7 p.m. to 9 p.m. The average cost for one class will be \$7.

Local transit group meets on Thursday

The Bryan-College Station Urban Transportation Study Steering Committee will hold a meeting at 1:30 p.m. Thursday in the Lecture Rehearsal Hall at the Brazos Center.

Items of discussion are scheduled to include an airport master plan, an energy contingency plan, an arterial system, section 18 operations and public transit.

The County Commissioners Court and the city councils of Bryan and College Station have been invited to attend the meeting.

Campus Names

Longtime Department of Agricultural Communications staff member Dorothy A. Holland, whose most recent position has been associate extension editor for publications and training, has been appointed acting head of the department.

Holland will serve as acting head while a search is being conducted for a person to fill the position vacated by Dr. William E. Tedrick, who has resigned as editor and department head to assume the position of Extension program evaluation specialist.

Dr. Robert H. Page, dean of engineering at

Texas A&M University, has been honored by the Accreditation Board for Engineering Technology for two three-year terms of service on the ABET board. He was awarded a special plaque recognizing his work as treasurer during 1977-80.

Texas A&M University students Amy Lynn Bayer, William S. Harlan, Eric P. Johansen and Katherine R. Evers have been named recipients of \$1,000 scholarships from the International Society of Exploration Geophysics (SEG) Foundation. The scholarships are among 85 awarded by the SEG Foundation for the 1980-81 academic year.

Harlan is a senior, Johansen and Bayer are juniors and Evers is a sophomore.

Dr. Neilon J. Rowan of Texas A&M University's civil engineering faculty has been elected president of the International Institute of Transportation Engineers.

Rowan, who is also a research engineer with the Texas Transportation Institute at Texas A&M, was IITE national vice president in 1979-80, served on the institute's board of directors and held all offices in the Texas section of IITE. He was Texas Transportation Engineer of the Year in 1978.

Talk on credit scheduled by American Express Co.

An American Express Co.-sponsored discussion on the various aspects of finance was scheduled for 11 a.m. in 108 Harrington.

Susan Bondy, a financial consultant, was to discuss how to establish credit and credit rights, pros and cons of credit borrowing and the impact of credit controls.

In a nationwide survey by the American Express Co.

percent of the college and graduate students surveyed dered a credit rating although less than half had lished one.

SAFEWAY

SAFEWAY SPECIALS

SAFEWAY SPECIAL

SAFEWAY SPECIAL

Look for these tags while you're shopping Safeway! They point the way to our many Money-Saving Specials in the Store and helps your Shopping Dollars Stretch further every week!

**OPEN 24 HOURS A DAY!
7 DAYS A WEEK!
AN EXPRESS CHECKSTAND IS
OPEN 8 AM UNTIL MIDNIGHT
... 9 ITEMS OR LESS!**

SAVE 25¢!

SAFEWAY SPECIAL

Lucerne Grade 'A' Large Eggs

Each (4 1/2 Lb.) Doz **65¢**

SAVE 37¢!

SAFEWAY SPECIAL

Mrs. Wright's White Bread

1 1/2 Lb. Loaves **289¢**

SAVE 30¢!

SAFEWAY SPECIAL

Lucerne Pimento Spread

14 Oz. Tub **149¢**

SAVE 15¢!

SAFEWAY SPECIAL

Busy Baker Snackers

8 Oz. Pkgs. **289¢**

WHY PAY MORE?

Kitchen Treat Meat Pies

Frozen 6 Pkgs. **4\$1**

WHY PAY MORE?

Manor House Fried Chicken

Frozen 2 Lb. Box **2.19**

WHY PAY MORE?

Mrs. Wright's Canned Biscuits

Regular or Buttermilk, 10 Count **68¢**

FRESH FRUITS AND VEGETABLES!

Red Delicious Apples

Washington, Extra Fancy

Small or Large **3\$1** Lbs.

SAFEWAY LOW PRICE!

WHY PAY MORE?

Fresh Mushrooms

Country Stand

8 Oz. Pkg. **79¢**

Apples Washington Golden Delicious, Extra Fancy . 3 Lbs. 3\$1	Green Onions By the Bunch 5\$1 For
Pears D'Anjou, New Crop! Lb. 39¢	Avocados California, Salad Perfect 4\$1 For
Fresh Lemons Sunkist Brand 8\$1 For	Lettuce Iceberg, Fresh Firm Heads Each 49¢
Grapefruit Texas Ruby Reds 5\$1 For	Sweet Yams East Texas U.S. No. 1 Lb. 39¢

SAFEWAY FLOWER SHOPPE!

African Violets

4 Inch Pots **1.79** Each

Potting Soil Vita Hume

20 Lb. Bag **1.29**

6 Inch Pots, Foil Wrapped Each **4.99**

SAFEWAY LOW PRICE!

WHY PAY MORE?

Scotch Buy Long Grain Rice

(4 Lb. Bag . 99¢)

2 Lb. Bag **59¢**

SAFEWAY SPECIAL

Safeway Fluoride Toothpaste

SAVE 40%!
Regular or Mint

7 Oz. Tube **79¢**

Health & Beauty Aids!

BUY ONE - GET ONE FREE VITAMINS!

Vitamin 'C' Safeway Brand, 100 Ct. 250 M.G.'s Btl. \$1.55	Vitamin 'C' Safeway Brand, 100 Ct. 500 M.G.'s Btl. \$2.49
Vitamin 'C' Safeway Brand, Chewable, 100 M.G.'s Btl. \$1.65	Vitamin 'C' Safeway Brand, Chewable, 500 M.G.'s Btl. \$3.79
Vitamin 'C' Safeway Brand, 100 Ct. 500 M.G.'s, With Rose Hips Btl. \$2.79	Vitamin 'C' Safeway Brand, 50 Ct. Time Release, 500 M.G.'s . Btl. \$2.79
Vitamin 'E' Safeway Brand, 100 Ct. 200 I.U.'s Btl. \$2.99	Vitamin 'E' Safeway Brand, 100 Ct. 400 I.U.'s Btl. \$3.89
Vitamin 'E' Safeway Brand, 50 Ct. 1000 I.U.'s Btl. \$4.59	

SAFEWAY SPECIAL

Sesame Seed Wheat Bread

Mrs. Wright's 10¢ Off Sticker

24 Oz. Loaf **75¢**

SAFEWAY SPECIAL

Safeway Toothbrushes

Straight Trim, Soft, Medium or Hard

SAVE 30%!

Each **29¢**

ONE-STOP SHOPPING!

Cosmetic Puffs

Safeway Brand 300 Ct. Pkg. **67¢**

Nail Polish Remover

Truly Fine 6 Oz. Btl. **49¢**

Vacuum Cleaner Bags

Safeway Assorted Sizes & Counts . . . Pkg. **49¢**

Alkaline Batteries

Safeway C or D Size 2 Ct. Pkg. **99¢**

Alkaline Batteries

Safeway 9 Volt Each Pkg. **1.09**

WHY PAY MORE?

Town House Tomato Catsup

32 Oz. Btl. **79¢**

SAFEWAY SPECIAL

Safeway Cotton Swabs

SAVE 20%!

180 Ct. Box **69¢**

Exquisite Only

Fine China 99¢

PER CHINA CERTIFICATE ON OUR SPECIAL CLUB/LAY-A-WAY PLAN WITH EVERY \$3.00 FOOD PURCHASE.

HERE'S THE PLAN: — It's so easy to own this lovely set. Start it today — simply purchase your CHINA CLUB LAY-A-WAY Certificate for only 99¢ with each and every \$3.00 purchase. When you have collected 40 certificates, return completed brochure for the set of your choice. This set photo set costs you only \$39.60 on our CLUB LAY-A-WAY — a fabulous savings as compared to department store prices! Complete as many certificates as you wish — you want — service for 8, service for 12, and so on. Saving your certificates today!

FOUR BEAUTIFUL PATTERNS

- Winsford
- Golden Autumn
- Floral Generation
- Spring Bouquet

Collect a Full 20 Piece Set

Service for 4

Everything you want from a store...

QUANTITY RIGHTS RESERVED PRICES EFFECTIVE THURSDAY THRU WEDNESDAY, NOVEMBER 6-12, 1980 IN BRYAN - COLLEGE STATION © COPYRIGHT 1960, SAFEWAY STORES, INC.