arms and pioneer American A. Clark, corelates rainfall data homes dovetail with rainfall records collected from the East Yegua Creek basin.

Water Research Project 5002, under Texas A&M University me-

THE YOUNGEST ...

OPEN YOUR

Paid Quarterly on INSURED SAVINGS

FIRST FEDERAL

SAVINGS and LOAN ASSOCIATION

NOW OPEN

...the family store

As Close as Your Telephone!

CATALOG

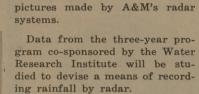
ORDER

810 S. HIGHWAY 6

COLLEGE STATION

Phone 846-3310

TATA



from 35 gauges over the 243

square- mile Lee, Milam and Bur-

leson County watershed with

Jake Canglose, department research engineer, and Clark have placed gauges with 32 volunteer observers in the area. Data is also gathered from two weather bureau stations and a geological survey stream gauge.

Folk making monthly reports range from a 13-year-old daughter of a veterinarion to a pioneer couple whose entire lives have been spent in the sandstonestudded clay hills. Volunteer observers were

screened through county judges and sheriff departments, and several were located through Canglose's and Clark's visits at stores and homes.

At Tanglewood, a chat at Phillip's general store "discovered" the S. E. Lynns, area residents since 1878. Shirley E. Lynn, 88year- old retired farmer, has turned Lee County soil for a living since 1907.

His wife, Hallie, writes for Rockdale and Giddings newspapers while she isn't canning homegrown peas, and sweet potatoes or fishing. The energetic Mrs. Lynn is Tanglewood's correspondent and kept rainfall records 10 years before A&M radar meteorologists installed recording and Clear-Vu gauges outside her front gate.

The reporter finds changing drum charts of the clock-operated gauge no problem.

"I'm up at 5 o'clock every morning," she remarked. Housework is done by noon, and daily, at 1 p.m., she fishes a lake near-

Relics of the past interest her husband. He removed an old colonial-pillared home on their

"All the wood was hand-planed and mortise-jointed," he discribed. "I still have some of the oak beams. There isn't a worm hole in them."

Crops and weather are conversation staples with East Yegua basin folk. Jake arranged to pick up some 21 pea pods to show his A&M horticulture

Judith Parmelee took up rain year to take a speedreading course. She's an "A" student and daughter of rancher-veterinarian Dr. John J. Parmelee.

Canglose and Clark remain in contact with observers, to answer questions, iron out problems, maintain equipment and present each with a certificate. The framed sheet carries a background picture of 6 and 15-foot radar horns at Bizzell Hall.

The service often pays off both ways. C. R. Jackson, a farmer near Chriesman, voiced a corn

"Coons are cleaning the patch out," he remarked. "If you know any hunters with good coon dogs, send them to see me."



. . AND THE ELDEST

Rain gauges in the East Yegua Creek watershed are operated by a cross section of Milam, Lee and Burleson County folk. Judy Parmelee, in picture at left, 13-year-old daughter of a rancher-veterinarian Dr. John J. Parmelee, charts precipitation at her home three miles south of Rockdale. Mr. and Mrs. Shirley E. Lynn record rainfall at Tanglewood, 10 miles north of Lexington. The retired farmer, 88, has worked the farm since 1907.

## Synthetic Rocks From Raw Clay?

Texas A&M Researchers soon will be producing synthetic rocks from raw clay.

Their studies will be stepped up through the addition of a \$20,-000 rotary kiln scheduled to go into operation in July at A&M's Research Annex. Checkout trials are set next

month, with full-scale research to roll in September.

The research, explains Dr. William Ledbetter, is in cooperation with the Texas Highway Department and U.S. Bureau of Public Roads. Now in its second year, the research is expected to draw \$350,000 support by the end of the fifth year, Ledbetter said.

Other researchers for the Texas Transportation Institute are Research Engineer Bob M. Gallaway, bituminous materials, and Dr. W. M. (Mike) Moore, base materials.

Research Assistant Jim Houston supervised design and construction of the kiln.

The kiln is being built with funds from the Featherlite Corcharting at a Rockdale junior poration of Austin, Gifford-Hill high science project. The eighth- of Dallas, A. P. Greene of Hous-

'The kiln is superior to any other research kiln in the country," Ledbetter said. "It has more controls in addition to its larger size." It is 25 feet long and has an outside diameter of three feet. It tilts for variation in angles and rotation speeds ... these angles determine how fast material goes through it. The kiln can raise temperatures to

3,000 degrees. "In essence, the kiln transforms clay into man-made rocks," Ledbetter continued. "You can't cut the aggregate with a knife. And with the proper type clay, you can produce aggregate which weighs about half as much as nature's rock, but is just as strong.'

Ledbetter noted aggregate is used for roadway base and in concrete pavement.

"In my research, I'm trying to correlate fundamental aggregate properties with behavior and performance of concrete structures made with these materials," he pointed out. I am interested in the quality that can be obtained . the full range of variables. It will be industry's problem to

probe the economics of aggregate production."

Ledbetter expanded about research goals.

"One in 1,000 clays makes lightweight aggregate," he said. Trace elements cause the clay to bloat. These elements cause thousands of bubbles in the clay, and the clay becomes a poor but strong form of glass.

"We will research many grades of clay. If lightweight is not needed, I think we will find innumerable sources for suitable synthetic aggregate."

Although economics are not a primary goal of aggregate studies, they are an end result.

"Savings in weight result in better commented. "With this aggregate, you can use up to one third less concrete. This offsets higher cost of synthetic aggre-

Along the coast and eastern border of Texas, suitable sources of natural rock are almost nonexistant, Ledbetter said. Natural gravel used in construction in Houston often comes from as far as New Braunfels.

"The Texas Highway Department is interested in this research because of the hauling distance for road base materials," Ledbetter explained. "If synthetic aggregate could be economically produced on the job. long-distance hauling costs could be tremendously reduced.'

## Wiley To Join Staff

An expert in special education, Dr. Edward J. Wiley will join the Department of Education and Psychology at Texas A&M July

The University of Oklahomatrained professor comes to A&M from Wichita, Kansas, and directorship of a Special Education Service and Resource Center. He recently obtained funds for the \$850,000 center under Title III arrangement.

"Dr. Wiley's work in the department will be in curriculum and instruction," announced Dr. Paul Hensarling, education and psychology head. "We welcome him especially because one of the new areas of instruction we expect to develop within the next few years in special education. Dr. Wiley will be able to assist in preparation for this eventuality."

The former business and social intendent of schools at R worker will replace Dr. Roger Kansas, and a district adj Harrell, who joins the U.S. Office of Education on a year's leave of

Wiley acquired master and doctor of education degrees at Oklahoma in 1957 and 1964, with background in school administration and secondary and elementary education. His business administration BA was taken at Central State College of Oklahoma City in 1954. Special interests include special education and working with underprivileged

As director of special education for Wichita public schools, he supervised 70 teachers.

The new A&M assistant professor taught emotionally disturbed children at Central State Hospital in Norman and was super- project for almost a year.

Kansas, and a district adjo Wichita before it was abso into the larger system.

## Olson Named TI Project Director

Dr. Robert M. Olson, as research engineer for the Transporttaion Institute at' A&M, has been named co-dir of TTI's highway sign res

Olson received his doctor civil engineering at A&M in l He has a master of science gree from Rice and a bachelo sciencein civil enginering the University of Texas.

Neilon J. Rowan of TTI's way design and traffic eng ing department has direct

WANT AD RATES

FOR SALE

Car air-conditioner. Present installed in a 1959 Ford. In good condition. \$55.00. Inquire at G-11 Walton. 325t1

Friedrich Air Conditioner one year old. Sealy Posturepedic mattress, springs and rame, 10 months old. Crib. Contact after 5 p.m. Y-3-D Hensel Apts. 325t1

Wedding ring set, appraisal value \$221.00, by C. W. Varner Jewelry, will take \$200.00. Call 846-5707 extension 78.

G.E. Air Conditioner, 5,000 BTU used ne week. Call 846-3576.

1966 Wollensak Solid State Stereo Tape Recorder, Cost new \$220.00, Sell for \$180.00 or best offer, 11,000 ft. of Tape included. One month old. 822-8478.

1964 F85 Oldsmobile 4 door sedan, air conditioned, radio, power steering, rebuilt engine as of this week with guarantee, four brand new white wall Mobil Premier tires with life time guarantee. Best offer over \$1200. Call after 5. 846-8487. 324t2

Registered blond Cocker pups, 846-3258.

Electrolux Sales and Service. G. C. Williams, 1105 E. 26th St., Bryan. Phone 268tfn

CHILD CARE

Child care, all ages. Baby food fur-tished. 846-8151. 257tfn

Gregory's Day Nursery-846-4005. 218tfn HUMPTY DUMPTY CHILDREN CENTER, 3406 South College, State Licensed. \$23-8626, Virginia D. Jones, R. N. 99tfn

> Opening Monday, June 6 WEE WIDDLE NURSERY 2801 2nd Street Bryan, Texas

Call Marjorie E. Burkhalter, Practical Nurse at 822-4138. Will keep by day, hour or week. Also open Saturday and 321tfn

HOME & CAR RADIO REPAIRS SALES & SERVICE KEN'S RADIO & TV

**AUTO INSURANCE** FOR AGGIES:

822-2819

303 W. 26th

Call: George Webb Farmers Insurance Group

**AUTO REPAIRS** All Makes

> Just Say: "Charge It"

Cade Motor Co. Ford Dealer

NEED CASH See

Martin Leissner, Jr. '54 UNIVERSITY LOAN **COMPANY** 

317 PATRICIA (North Gate) College Station, Texas Tel.: 846-8319

AMALIE, ENCO, HAVOLINE, CONO-CO ...... 30c Qt.

Quantity rights reserved. All filters 1/2 price. Every item discounted.

BRYAN OIL WHSE. 805 N. College (Highway 6, N) at 19th WORK WANTED

Typing. 846-6410. Typing wanted. Thesis experience. leasonable rates. Call 846-3320 after 5:00 321t13

SPECIAL NOTICE

SUL ROSS LODGE NO. 1300 A.F. & A.M.
Sul Ross Lodge No. 1300 A.F.
& AM called meeting Thursday,
June 30 at 7 p.m. The Master
Mason's Degree will be conferred.
W. W. Spurlock, W.M.
Joe Woolket, Secy 325t1

Save up to 40% auto parts, tires, battries, seat covers, mufflers, tail pipes and coessories. SEE WHITE AUTO STORES, blege Station, VI 6-5626.

Miscellaneous For Sale

GERT'S a gay girl — ready for a whin ter cleaning carpets with Blue Lustre ent electric shampooer \$1. Ben Frankli

OFFICIAL NOTICE

Official notices must arrive in the Office Student Publications before deadline of p. m. of the day preceding publication.

THE GRADUATE COLLEGE

ee: Doctor of Philosophy in Plant thology.
station: Effects of Combinations of ngi, Bacteria and Nematodes on CotaSeedlings as Influenced by Soil Temrature and Seed Quality.
:: June 29, 1966, at 1:30 p.m.
e: Room 203, Plant Sciences Building.
Wayne C. Hall
Dean of Graduate Studies 325t1

THE GRADUATE COLLEGE
al Examination for the Doctoral Degree
gree: Doctor of Philosophy in Biochemstry and Nutrition.
sertation: Chemical Characterization
nd Biosynthesis of the Gossypol Related
rigments of the Cotton Plant.
ne: June 30, 1966, at 3:00 p.m.
ce: Room 214, Herman Heep Building.
Wayne C. Hall
Dean of Graduate Studies 325t1

THE GRADUATE COLLEGE
Final Examination for the Doctoral Degree
Name: Ansari, Mohammed Nurul Ali
Degree: Doctor of Philosophy.
Degree: Doctor of Philosophy in Biochemistry and Nutrition.
Dissertation: Radiostrontium: Analyses
and Metabolism.
Time: July 1, 1966, at 8:00 a.m.
Place: Room 214, Herman Heep Building.
Wayne C. Hall
Dean of Graduate Studies 32511

GIL'S RADIO & TV Sales: 'Curtis Mathis

Service: All makes and models, including color T. V. and multiplex F M 2403 S. College 822-0826

TRANSMISSIONS REPAIRED & EXCHANGED Completely Guaranteed LOWEST PRICES HAMILL'S TRANSMISSION

• Watch Repair Jewelry Repair

Diamond Senior Rings Senior Rings Refinished

C. W. Varner & Sons **Jewelers** North Gate 846-5816

FREIGHT SALVAGE

 Brand Name Furniture Household Appliances

Bedding

 Office Furniture Plumbing Fixtures

ll damaged items restored to full itility by our repairs department.

C & D SALVAGE CO. 32nd & S. Tabor Streets - Bryan

**TYPEWRITERS** Rentals-Sales-Service Terms

Distributors For: Royal and Victor Calculators & **Adding Machines** 

CATES TYPEWRITER CO. 909 S. Main 822-6000 FOR RENT

TAKE soil away the Blue Lu from carpets and upholstery. Ren shampooer \$1. Ben Franklin Va

REMODELING, REPAIR WORK AND GENERAL CONTRACTING, after 5:00 call 846-5918. DON MARABLE. 290th

VICTORIAN APARTMENTS Midway between Bryan & A&M University

All General Electric builtins
1 & 2 bedrooms with 1 or 1% is
Central heat & air
Large walk-in closets
Beautiful courtyard with swimn o Carpets & Drapes
Carports & laundry facilities
Furnished or unfurnished
Resident manager, Apt. 1

EMPLOYMENT

HELP WANTED

Laboratory technician some trainemistry necessary. Salary comme ith training and experience, Call 8 tween 8:00 and 5:00.

R.N. to work 3-11 p.m. and 11-1 and relief shift at Madison County pital. Starting salary \$350.00 and Meals provided; uniforms launders0 tact B. Tugger, R.N. at VI 6-543 a

DONAHO SALES CO. 207 W. 28th 823-6666

Damaged & Unclaimed Freight Quality Merchandise At Substantial Savings.

INSURE TOMORROW TODAY

EUGENE RUSH earnestly solicits y call when you want to talk about or health insurance for your fam Now in 18th year with same reliab

> PHONE: 846-5800 (Days) 846-6121 (Nights)

Havoline, Enco, Ams lie, Conoco ..... 30c qt Where low oil prices originate Quantity Rights Reserved

company.

Parts Wholesale Too

Filters, Oil, Air - Fue 10,000 Parts - We Fit 96% of All Cars - Save 25 - 40%

Nylon Carpet \$16.95 Set ..... Brake Shoes \$2.90 ex

(most cars) Auto trans. oil AC - Champion - Autolite plug

Tires—Low price every day—Just check our price with any other of equal quality. All approved Credit Cards accepted Your Friedrich Dealer

CHA

Joe Faulk Auto Parts 220 E. 25th Bryan, Texa JOE FAULK '32

20 years in Bryan

the Ku-Ku

With FRENCH FRIES

QUALITY FOOD

OPEN

SUNDAY THRU THURSDAY - - 11:00 A. M. TILL MIDNIGHT FRIDAY AND SATURDAY - - 11:00 A. M. TILL 1:00 P. M. 2500 TEXAS AVENUE — BRYAN

SPEEDY SERVICE