

RESEARCH LAB ANALYZES 100-YEAR-OLD KEROSENE
FOR NEW MEXICO MUSEUM TO DETERMINE ORIGIN

In an effort to help the Museum of New Mexico find a key to life as it was in the 1800's, the Chief Research Physicist Organization of the Houston Research Laboratory has analyzed a kerosine sample found at Fort Sumner, New Mexico, an old military post.

The department found that the kerosine contained olefins and indicated that the "crude oil originated from the State of Pennsylvania since this is the only known crude oil which contains a significant quantity of olefins."

Said M. J. O'Neal, Chief Research Physicist, "...it is our opinion that the sample was prepared using a rather crude pot still from a Pennsylvania crude oil."

The kerosine was found in a wine bottle in the bottom of a latrine located behind a barracks at Fort Sumner, which was a military post between 1862 and 1869. The Museum's curator of historical archeology said the barracks was built around 1864 and that upon examination of other contents, it was felt that materials were about 100 years old.

Los Alamos Scientific Laboratory had recommended that an oil company make the analysis and forwarded the sample to the Houston Research Laboratory.

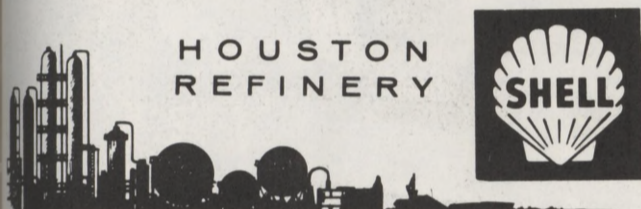
Jack O'Neal had different tests run on the sample and informed the museum that the kerosine boiled over a wider range than today's product, and therefore was distilled by crude and almost primitive means.

Employees who made the analyses were Craig Wadham, Lab. Assistant, Leroy Curtis, Chemist, and Lavaughn Fillman, Lab. Assistant.



100-YEAR-OLD KEROSENE--Lavaughn Fillman, Lab Assistant, prepares to analyze the sample by gas chromatography at the Research Lab. (More pictures on Page 3.)

SHELLEGRAPH



HOUSTON
REFINERY

No. 347

Friday, August 1, 1969

UPSTARTS CHALLENGE OLD TIMERS TO BASEBALL GAME, BUT OPPONENTS 'SOCK IT TO THEM' AT 22-12

A playful challenge which began in Engineering Services and later spread to other departments resulted in the total "wipe-out" of young engineers who played against the oldtimers in a baseball game recently at Dow Field in Deer Park.

Coming through to win the 22-12 ball game, the Oldtimers, aged 35 and over, looked like old pros. The Youngsters, aged under 35, were handicapped by errors and an understaffed team.

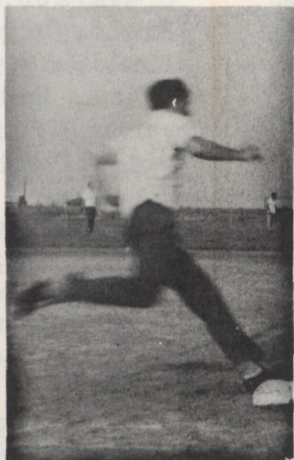
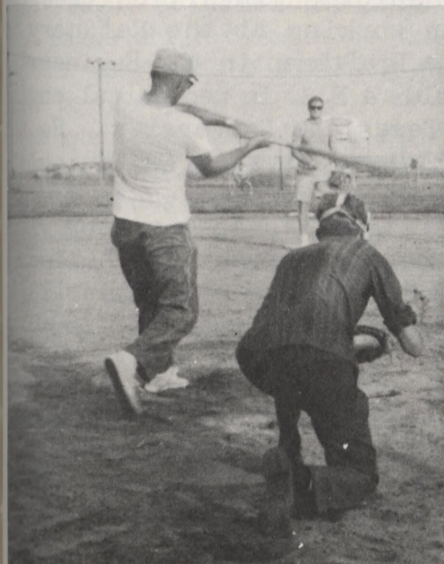
When the score started getting out of hand one youngster remarked that all though they couldn't beat the oldsters, they could pro-

bably tire them out.

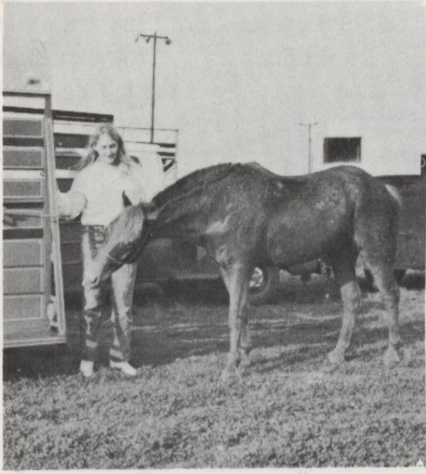
The youngsters were somewhat hurt, however, when the opponents put in their pre-teen sons as pinch hitters, and they started making run after run.

The feud cooled somewhat when the oldsters allowed the losers to have their picture taken and wives and children gave a cheer for the "old fogeys."

H. D. "Rosie" Smith organized the event after a group of young engineers posted a challenge on the Engineering Services bulletin board. Bob Tucker assisted in getting the 25 men together.



SHOWING GREAT FORM--The Oldtimers made plenty of hits (l), the Youngsters managed to get on the bases (center) and the Oldtimers' offspring hit some good line drives (r).



PREPARING FOR NEXT EVENT—Susan Robinson, daughter of Mr. and Mrs. Don F. Robinson, grooms her horse, in left photo. Center are Riding Club officers Bill Chavez, Vice President; Claude Burgess, President; Jack Bowden, Drill Master, with Deer Park Mayor Earl E. Dunn. Right, Mr. and Mrs. Walter N. Shaw, Purchasing Department, and son Terry are also members. Bottom right are equestrians Mr. and Mrs. J. W. Mudd (Purchasing) and children Donald and Pam.

Learning to ride tall in the saddle and developing their social skills, the young members of the Deer Park Riding Club are having a summer-full of activities.

The kids and their families, about 47 families are members, meet on Mondays for drill team practice and on Fridays to participate in the summer events, competing in barrel racing, flag racing, ring races, rescue racing and pole bending. They are awarded trophies when points are tallied at the end of each month.

W. C. "Claude" Burgess, who is now serving a second term as club president, feels that Riding Club activities give the kids something interesting to do. His two sons and daughter were in the club and now his grandchildren are members.

The 66 boys and girls, aged 8 to 20, competed yesterday in the Alvin Statewide Youth Rodeo and are planning their own invitational competition on Friday, August 8.

Next month they will also go to Dayton, Texas, for the Southwest Area mounted drill. The drill team has performed at different rodeos including the Houston Rodeo at the Astrodome for three years. Besides training for the different events, the riding enthusiasts get together for trail rides, hay rides and campouts.

SHELL STATION AT PLANT ENTRANCE CLOSED WHILE NEW STATION IS BUILT

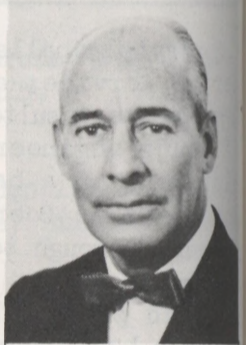
The Shell Service Station at the Refinery entrance has been closed while the new facility is being built. Until the opening, the Shell Station at 801 Center Street in Deer Park will be open 24 hours per day for service, including pickup and delivery arrangements. Phone: 479-4631



E. R. HEIDRICH AND L. E. JONES RETIRE JULY 1



Heidrich

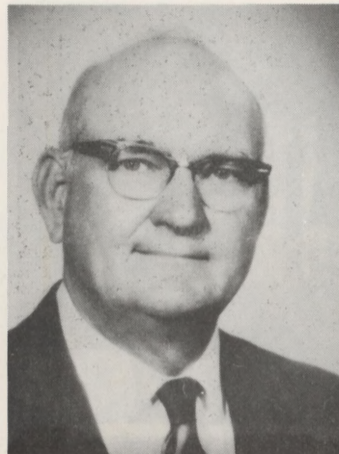


Jones

Two employees, Everett R. Heidrich and Leonard B. "Ikey" Jones, retired July 1. Everett, Senior Engineer, Engineering Field, began working at the Refinery in June 1944 as a Draftsman in the Engineering Office. He holds a B.S. in mechanical engineering from Texas A&M University. He and his wife, Mildred, live at 705 W. 41st, Houston.

Ikey, who retired as an Operator #1 in Distilling, began working for Shell as a General Helper in Engineering Field in 1935. He and his wife, Maggie, live at 7730 Glen Alta, Houston.

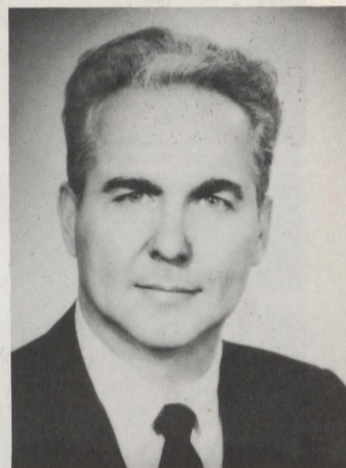
Petroleum refineries now process about four times more oil than they did in the late 1920's but accident frequency rates among refinery workers have dropped nearly 75 per cent.



35 Years
L. A. Cassner
Gas & Therm. Crack.

30 Years
W. L. Darby
Ref. Lab.

25 Years
A. J. Hayes
Eng. Fld.



40 Years
C. J. Taylor
Dispatching

25 Years
H. F. Tighe
Tech.

40 Years
C. E. Walker
Dispatching

HARRY ESTES LEADING BOYS AT SCOUT JAMBOREE;
OVER 30,000 BOYS ATTEND IDAHO GATHERING

Farragut State Park, Idaho--Harry Estes, Manager Economics and Scheduling, is one of the volunteer Scouters helping to make the 7th Boy Scout National Jamboree possible.

Harry, who recently retired as Scoutmaster of Troop 508, after 18 years, is serving at Farragut State Park, Idaho, as one of the Scouting Skills directors. More than 30,000 scouts are here.

In the skills area, scouts are timed as they perform various patrol projects such as the log raise, log rolling and log sawing. While cutting logs with an ax, the directors count the strokes. Each member of the patrol is required to complete all of the projects before time is taken so this becomes a team project.

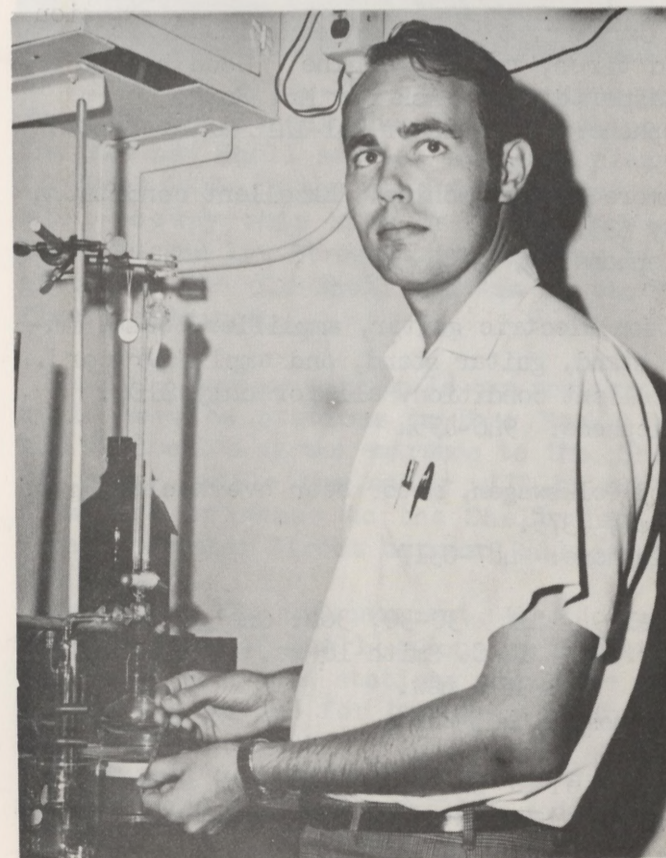
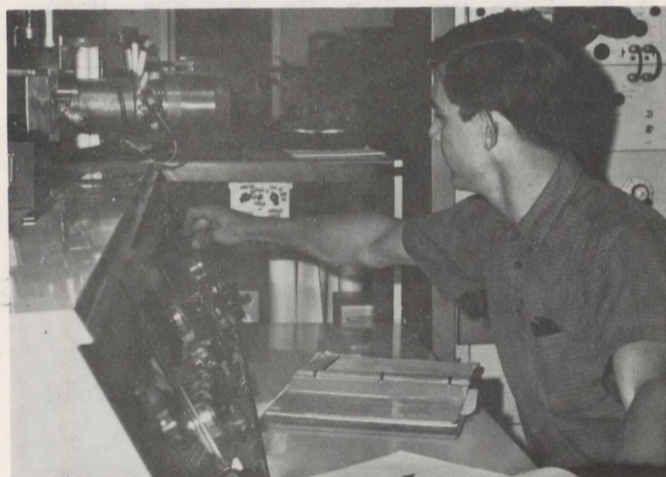
Harry has been honored by the Sam Houston Council and received the Silver Beaver, the highest recognition award given by a Council. He also holds the Deputy Camp-Chief Wood Badge which designates that he has completed the highest training program available to Scouters.

One question that folks like to ask Harry is about boys and their behavior. "Boys haven't changed since I became a Scoutmaster," he tells them. "They still like discipline, and like to know what the ground rules are. They have to be guided into assuming responsibility and encouraged to do the job by themselves."

100-Year-Old Kerosine--

(Continued from Page 1.)

MASS SPECTROMETER--Craig Wadham makes analysis on mass spectrometer, above. Below, Leroy Curtis is determining unsaturation of kerosine by analytical hydrogenation.





TECH DEPARTMENT PARTY--Staff members and their wives attended the party held July 11. Top left photo are, l-r, Mr. and Mrs. Bron Geye and Mr. and Mrs. Karl Neber. Top right are Doris King, Jim Newlin, Ed Swinderman and George King. Bottom left are newlyweds Jim and Cindy Miller, and bottom right are Paul Gudgell, Jim Braus, Doris King and Betty Geehan.



CLASSIFIEDS

FOR SALE

9ft., 2in. Surfboard, Hobie, good shape, \$30. Ping pong table, regulation size, fold away, \$25.

Telephone: 472-2248

'61 Corvair, \$350. Air conditioned, radio, good tires, rebuilt engine. Good reliable transportation. Ask for Mr. Roig.

Telephone: 529-8824 or 941-1410 after 6 p.m.

Kenmore sewing machine. Excellent condition, only \$25.

Telephone: 477-2849

Gibson electric guitar, amplifier, case, music stand, guitar stand, and amplifier cord. Excellent condition, all for only \$100.

Telephone: 946-4954

1963 Volkswagen, motor been overhauled, good tires, \$375.

Telephone: 487-0317

Model 94 Win. 30-30, 364. One of the last ones. \$85. L. C. Smith 16 ga. mod. in full, \$175. Both like new.

Telephone: GR 3-2268

Registered shepherd puppies, wormed, 6 weeks old. Gentle heritage.

Telephone: 477-3093

1969 27½ft. Nomad travel trailer, central heat, air conditioned, carpeted, tub and shower, self contained, pulled one trip. Very reasonable.

Telephone: 926-4085 after 5.

Stratolounger chair--nylon tweed, black coffee color, arm and head rest covers, \$45.

Telephone: LaPorte 471-4220

'65 Volkswagen sedan, excellent condition, radio. Moving to Germany, must sell.

Telephone: 472-0800

For sale or trade, 2-August 5 Mezzanine, Aisle 208 Box (gate passes), \$3.50 value, for 2 tickets to August 4 Astros game.

Telephone: 742-2266

Trumpet, excellent condition.

Telephone: 472-0800

1966 Plymouth Barracuda, 6 cylinder, standard shift, bucket seats, clean, runs good--\$1050.

Telephone: 946-6611

WANTED TO BUY

Four drawer filing cabinet.

Telephone: GR 2-0245