



**HYDRAULIC GREASER . . .** Pat White, who lives at 1639 1/2 Cabrillo Ave., unveils his recently completed hydraulic grease gun which he claims will make maintenance of farm and industrial machinery an easier task. Using a small hydraulic pump activated by solenoids from the grease gun, the machine is highly mobile and can be operated by one man from the gun. (Herald Photo)

### Tedious Machinery Maintenance Chores Lead Man to Invention

The long and tedious job of greasing complex farm and industrial machinery may be simplified a lot in the future if the dreams of a Torrance man are fulfilled.

Pat White, who lives at 1639 1/2 Cabrillo Ave., this week unveiled an electric, hydraulic greaser which eliminates air tanks and other traditional pressure sources.

White, who started working on the idea seven years ago in Iowa, completed his working

model recently with the installation of solenoids to control the entire operation from the working end of the grease gun.

**AS EXPLAINED** by its designer, the grease pump works like this:

Grease is placed in a tank and pumped by a hydraulic pump into a high-pressure neoprene hose. A solenoid opens and closes a bypass, and when the grease is not being extruded from the nozzle, it bypasses into the tank again.

A similar solenoid activates the pump arm itself, disengaging the rocker arm when grease is not being pumped.

"AFTER SPENDING years on the farm crawling around and under tractors, combines, and corn pickers, I got tired of the manually operated grease guns," White said.

His first model was activated by means of a rope which opened the bypass and engaged the pumping arm. Recent modifications replaced these with the solenoids which substitute electrical magnetism for the pull of the rope.

**MOUNTED ON** a small dolly, the grease truck can be pulled anywhere around a machine shop, or could be placed on trucks, wagons, or other vehicles for "on the site" maintenance, White claims.

Power can be supplied by an electrical motor, a DC motor working off a 12-volt system, or could be supplied by a small gasoline engine.

**WHITE HAS** applied for patents on the machine and is looking now for a manufacturer.

"I don't have any trouble selling the idea to anyone who has ever spent much time with an old hand operated grease gun," he says.



**GREGORY WALCOTT** . . . At Church Meeting

### Actor Speaker At Loyalty Day Service

The Narbonne Avenue Baptist Church will have actor Gregory Walcott as guest speaker at the fourth annual Loyalty Dinner tonight at 6:45. The event will be staged in the Youth Building. A children's party and nursery will be provided for those children 8 years and below. This event is expected to exceed the 450 who attended last year.

Sunday, Jan. 17 is church Loyalty Day. On this day, the church encourages every church and Sunday school member to make a pledge to the 1960 church budget.

**THE GOLDEN GATE** Seminary Choir from San Francisco will present a sacred music concert on Jan. 24. The Choir will present a full hour program at the 8:30 a.m. service. This will include a men's quartet, men's chorus, women's ensemble and will feature Al Tucker, trombonist. Dr. Carlyle D. Bennett is director and Miss Orine Sufferin is accompanist. Two of the local church staff, Miss Sue Snider and Mr. Edd Isbell, formerly sang with this choral group. They are graduates of this Southern Baptist Seminary. It is the largest Seminary in California.

**PASTOR ROBERT A. Wells** will speak at both the 8:30 and 10:50 services on this Sunday. His subject will be "The Easy Mark."

### Titular Head of Presbyterians To Visit Area

United Presbyterians of the Southland will welcome their highest denominational leader, Dr. Arthur J. Miller, Moderator of the General Assembly, with a series of meetings when he visits the area over the next weekend, Jan. 21-24. Dr. Miller was elevated to the highest honorary position of the 3 1/4-million-member denomination last May by delegates attending the 171st General Assembly, held at Indianapolis, Ind.

He is pastor of the 4200-member Montview Blvd. Presbyterian church of Denver, where he has served for more

than 12 years, prior to which he had served churches in Laramie, Wyo., Hutchinson, Kans., and Lincoln, Neb.

**IN HIS ROLE** as Moderator of the United Presbyterian General Assembly, Dr. Miller sees a major responsibility to work for Christian reconciliation between peoples and groups divided by social, economic, racial, and national lines.

During his visit to Southern California, Moderator Miller will address several thousand of his fellow churchmen at 10

meetings in widely separated areas including two television appearances on Sunday, Jan. 24, with viewing audiences estimated at close to 500,000.

His two principal appearances in the Los Angeles metropolitan area will be on Saturday, Jan. 23, at a breakfast for ruling elders to be held at Pasadena Presbyterian Church, 585 East Colorado St., at 7:45 a.m., and at the dedication of Royal Oaks Manor, church-operated residence for retired persons, located at 1763 Royal Oaks Dr., in Duarte, starting at 2:30 p.m.

### Girl Scout Troop 434

Members of Girl Scout Troop 434, sponsored by the Torrance Terrace Garden Club, elected new officers last week.

New officers include Diane Norris, president; Terry Finnell, vice president; Nina Carrasco, secretary; Susan Robin-

son, vice secretary; Barbara Rabel, treasurer; Charlene Westwood, assistant treasurer; Susan Lavezzari, flagbearer, and Rosalie Larson, assistant flagbearer.

The troop finished up the past year by giving scrapbooks and caroling to patients at Harbor General Hospital.

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### South High Class Visits Insurance Co.

Twenty-nine business students from South High School, accompanied by their business teacher, Miss Patricia Beasley, visited the western home office building of Prudential Insurance Co. last Thursday.

During the tour the students learned how individual and departmental functions combine to help Prudential maintain the efficient organization necessary to serve the 13 western states, including Alaska and Hawaii.

The South High group discussed business-wide personnel and employment procedures with Miss Pat Pfeiffer, an employment interviewer for Prudential, during a 20-minute meeting in the company's main conference room.

Included among the topics discussed during the meeting and the question-and-answer period which followed were how to apply for a job, typist and stenographic speed requirements, salary scales, and fringe benefits.

More than 1900 employees are employed at the 10-story western home office building, 5757 Wilshire Blvd., Los Angeles.

### CROSSWORD PUZZLE

**ACROSS**

- Mountain pass
- Whip
- Network
- Girl's name
- Proposition
- Lamb's pen name
- Book
- Not generally
- Woody plants
- Lamprey
- Man's nickname (abbr.)
- Man's nickname
- Mountains of Europe
- Encountered
- Man's nickname
- Fruit
- Conjunction
- Sing in middle
- Born
- Printer's measure
- Lasso
- Posed for portrait
- Heat of burden
- Proposition
- Friend's vestment
- Indefinite article
- Corn bread
- Arrest
- Abil
- Period of time
- Arrow poison
- Smooth
- Edge
- Dispatch
- Bristle
- Waken

**DOWN**

- Vehicle
- River in Germany
- Potential
- Part of face
- Collection of facts
- Brook

1-10 11-20 21-30 31-40 41-50 51-60

12-13 14-15 16-17 18-19 20-21 22-23 24-25 26-27 28-29 30-31 32-33 34-35 36-37 38-39 40-41 42-43 44-45 46-47 48-49 50-51 52-53 54-55 56-57 58-59 60-61

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**PES GALA COAT**  
ADE ARAL RACE  
SER PEDOMETER  
SNAIGS LITIA WESS  
PO ONE GAUL  
PIE ERG TENGE  
EN ALE SOD EA  
STORR SPY ASH  
TORT STIA AN  
LIDIA AT ISLE  
PRESENTED WIG  
RITA DUKE ERA  
OPEN BEEN RED

7-Inn  
8-Take dimensions of  
9-Cloth measure  
10-Wooly ocher  
11-Grass cured for fodder  
12-Prefix: not  
13-Babylonian deity  
14-Fig  
15-Sun god  
16-Lampreys  
17-Part of camera  
18-Philippine Muslim  
19-Ireland  
20-Chinese pagoda  
21-Obtain  
22-Ceased  
23-Catch  
24-Preposition  
25-Sing in middle  
26-Born  
27-Printer's measure  
28-Lasso  
29-Posed for portrait  
30-Heat of burden  
31-Proposition  
32-Friend's vestment  
33-Indefinite article  
34-Corn bread  
35-Arrest  
36-Abil  
37-Period of time  
38-Arrow poison  
39-Smooth  
40-Edge  
41-Dispatch  
42-Bristle  
43-Waken

35-Provokes  
40-Poker stakes  
41-Cooled lava  
42-Faroe Islands whirlwind  
44-Sicilian volcano  
45-Silkworm  
46-Inclined roadway  
47-Prefix: on this side  
48-Unit  
49-Males  
50-Openwork fabric

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<b>ROUND STEAK</b> CENTER CUT BONE IN	<b>73¢</b>	<b>PORTERHOUSE</b> OR T-BONE	<b>1 03</b>
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<b>ANN PAGE ORANGE MARMALADE</b> 2 1-lb. Jars <b>49¢</b>	<b>ANN PAGE GRAPE JELLY</b> 2-lb. Jar <b>45¢</b>	<b>ANN PAGE SULTANA SALAD DRESSING</b> Full Qt. Jar <b>33¢</b>
<b>ANN PAGE PEANUT BUTTER</b> FAMILY SIZE 2-lb. Jar <b>69¢</b>	<b>ANN PAGE TEA, Full 1-lb. Pkg.</b> <b>99¢</b>	<b>ANN PAGE MINT JELLY</b> 2 12-oz. Jars <b>35¢</b>
<b>ANN PAGE SWEET PEAS</b> 2 1-lb. Cans <b>19¢</b>	<b>ANN PAGE KETCHUP</b> ADDS ZEST TO MEALS 14-oz. Btl. <b>17¢</b>	<b>ANN PAGE CHOCOLATES</b> 1-lb. Box <b>65¢</b>
<b>ANN PAGE COOKIES</b> DELICIOUS 10-oz. Pkg. <b>39¢</b>	<b>ANN PAGE GELATIN</b> A REAL VALUE 8-oz. Pkg. <b>99¢</b>	<b>ANN PAGE KLEENEX TISSUE*</b> 4 400-ct. Pkg. <b>\$1.00</b>
<b>ANN PAGE TOOTH PASTE*</b> ECON. SIZE FREE BRUSH <b>69¢</b>	<b>ANN PAGE PEPPER</b> BLACK GROUND 1-lb. Can <b>89¢</b>	<b>ANN PAGE MACAROONS</b> 11-oz. Pkg. <b>49¢</b>
<b>ANN PAGE INSTANT COFFEE</b> 6-oz. Jar <b>85¢</b>	<b>ANN PAGE THIN MINTS</b> 1-lb. Box <b>49¢</b>	<b>ANN PAGE JONNY CAT*</b> 5-lb. Size <b>59¢</b>
<b>ANN PAGE Green Beans</b> 2 1-lb. Cans <b>29¢</b>	<b>ANN PAGE Cake Mix</b> PILLSBURY DELUXE 20-oz. Pkg. <b>39¢</b>	<b>ANN PAGE CHICKEN OF SEA TUNA</b> CHUNK STYLE 6 1/2-oz. Can <b>33¢</b>
<b>ANN PAGE Paper Towels*</b> 2 150-ct. Pkgs. <b>41¢</b>	<b>ANN PAGE Bean Sprouts</b> 1-lb. *Can <b>15¢</b>	

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