

# Energy crisis brings flood of inventions

## Everything from toilet paper oil filters to motorized skateboards

United Press International  
Louisiana businessman Willie Klump dreams of the day when America's motorists will drive hundreds of thousands of miles without changing their motor oil because they bought Klump-manufactured oil filters stuffed with toilet paper.

In San Jose, Calif., Bill Posey envisions freeways jammed with people riding his motorized skateboards at speeds up to 35 miles an hour, while in Southern Pines, N.C., Peter Greenspan sees compressed air powered cars on the horizon.

In a more conventional vein in New York City, scores of Stuart Pivar's gasoline-powered Microcars are already in use as he begins production of an electric-powered model.

They are among thousands of inventors across the country who have answered the call in the battle against rising gasoline prices and dwindling oil supplies. Annually they submit tens of thousands of ideas to government and private industry officials, and occasionally, as in Pivar's case, some of their inventions find their way to the production line.

"The private inventor is probably the best source of ideas available," said Dave Mello, a project engineer in the Department of Energy's energy-related inventions program, headquartered in Washington.

In the six years the program has been in existence, Mello said, the Energy Department has received 60,000 proposals from small inventors that range from the totally infeasible to the technically feasible.

"About half of them are good enough to warrant further evaluation," Mello said. The Energy Department then submits the ideas to

the U.S. Bureau of Standards for evaluation.

Mello said "the winners" are then sent back to the Department of Energy to be considered for a federal grant. So far, the bureau of standards has recommended 128 ideas to the Energy Department for grant consideration.

Among those in the field of transportation that have been pursued are advanced carburetors, a new spark ignition system, and what Mello called an "optimizer" to keep all of an automobile's systems running as efficiently as possible.

"Our goal is to give this little guy a chance at least to compete effectively," said Mello. "One man cannot run an enterprise alone. What are needed are specialists in marketing, specialists in finance, and other areas. All of those go into making a successful product."

The U.S. Patent Office in Arlington, Va., also speeds up action on

energy and environmentally related inventions.

Don Stocking, of the patent office's Heat and Power Engineering Examining Group, said there has been a boom in recent years in solar-related patent requests, while patent requests in other energy-related fields have remained stable.

Private corporations also offer another avenue for the private inventor to get his idea into production.

At the General Motors Technical Center at Warren, Mich., the new devices section receives about 4,000 proposals each year from private individuals.

"Most of them are from your next door neighbor or mine, saying why don't you do something rather than saying how," said Jerry Rumbold, assistant director of the new devices section. "Very, very few of these are way off the deep end, just enough to keep us light hearted."

John Dobb, director of the new devices section, said that in 1978, General Motors received 3,800 proposals from inventors.

"We purchased the rights to only two of them to investigate further and pursue, and in both cases they related to engine design features or power train features relating to fuel economy," said Dobb.

"We're seeing an awful lot of suggestions on fuel economy, emission control, that type of thing," said

Rumbold. "The suggestions follow the media, what the concerned about."

Dobb said there are a number of reasons why suggestions are down, ranging from being technically infeasible to costing too much.

"For example, sometimes we solve one problem while creating others," said Dobb. "An improvement in fuel economy, for example, may result in a decrease in reliability."

John Dobb, director of the new devices section, said that in 1978, General Motors received 3,800 proposals from inventors.

"We purchased the rights to only two of them to investigate further and pursue, and in both cases they related to engine design features or power train features relating to fuel economy," said Dobb.

"We're seeing an awful lot of suggestions on fuel economy, emission control, that type of thing," said

Rumbold. "The suggestions follow the media, what the concerned about."

Dobb said there are a number of reasons why suggestions are down, ranging from being technically infeasible to costing too much.

"For example, sometimes we solve one problem while creating others," said Dobb. "An improvement in fuel economy, for example, may result in a decrease in reliability."

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE

WE GIVE



### Somethin's Special ...

### Everytime You

These prices good  
Thurs., Fri., & Sat.  
March 27-28-29

Shop  
**PIGGLY WIGGLY**



### PLAY & WIN!

#### ODDS CHART

WHEEL	SPIN	WHEEL	SPIN	WHEEL	SPIN	WHEEL	SPIN
1 0000	16	11	27	1 07,000	1 101,785	1 1 7,983	1 1 3,991
1 100	86	99	185	1 18,500	1 1 15,147	1 1 1,865	1 1 582
1 50	106	122	228	1 11,400	1 1 12,290	1 1 945	1 1 472
1 20	156	103	239	1 4,780	1 1 11,724	1 1 901	1 1 450
1 5	246	346	346	1 1,730	1 1 3,098	1 1 422	1 1 310
1 2	741	741	741	1 1,682	1 1 5,781	1 1 290	1 1 145
1 1	42,734	42,734	42,734	1 1 65	1 1 5	1 1 2.5	
TOTALS	44,165	335	44,500	1 1 97,626	1 1 62	1 1 4.8	1 1 2.4

Local Winners:

- Eva Gustavus Bryan 20.00
- Ray Robinson Somerville 50.00
- Blossie T. Payton C.S. 100.00
- Robert C. Jones C.S. 100.00
- Nancy Satterfield C.S. 100.00
- Tom Decker C.S. 50.00
- James M. Lewis Gainesville \$1000.

### LADY VICTORIA

Fine Crystal Stemware  
Imported from France  
FEATURED THIS WEEK  
4 Cordial Glasses



FOR ONLY  
**\$4.99**  
per set  
with each  
\$3.00 purchase

Regular Price  
**\$5.99**  
per set

4 Tumblers  
FOR ONLY  
**\$4.99**  
per set  
with each  
\$3.00 purchase

Regular Price  
**\$5.99**  
per set

CHANTELLA PATTERN

### BONELESS BRISKETS

Cry-O-Vac Heavy Beef  
**1 39**  
lb.



### SMOKED PICNICS

moisture added  
**69**  
lb.

BONELESS HAMS Rodeo, Whole Fully Cooked...lb. **1 78**

1/4 PORK LOIN Sliced into chops...lb. **1 19**

FRESH FRYERS Family Pack Contains: 3 lag portions with heads 3 wings plus giblets...lb. **4 7**

SLICED BACON Rodeo...1-lb. pkg. **1 19**

PORK ROAST Swift's Rib End 7 rib cut...lb. **1 19**

PORK ROAST Swift's Loin End 7 inch cut...lb. **1 29**

POTATO SALAD Mrs. Weaver's Reg. or Must. 24 oz. tub **99**

RIB PORK CHOPS Family Pack...lb. **1 58**

LOIN PORK CHOPS Family Pack...lb. **1 68**

MEAT FRANKS Rodeo...12 oz. pkg. **88**

CHUCK ROAST Swift Proten Blade Cut...lb. **1 48**

CHUCK ROAST Swift Proten 7 bone cut...lb. **1 68**

CHUCK STEAK Swift Proten 7 bone cut...lb. **1 88**

SWISS STEAK Round Bone...lb. **1 89**

SHORT RIBS Beef...lb. **1 19**

CUBE STEAKS Swift Proten Tenderized...lb. **2 89**

"BIG ONES" Oscar Mayer Wieners...1-lb. pkg. **1 79**

COTTO SALAMI Oscar Mayer Pickle Loaf, Luncheon Loaf or 8 oz. pkg. **1 09**



### Del Monte CLING PEACHES

Limit 4 please with \$10 or more purchase  
**59**  
# 2-1/2 can



### Aunt Jemima CORN MEAL



### Sunshine VANILLA WAFERS

11 oz. box **59**



### Piggly Wiggly Grade 'A' MEDIUM EGGS

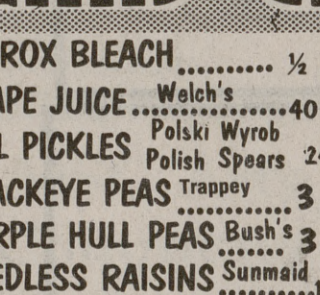


### Piggly Wiggly LOW FAT MILK

gal. jug **1 39**

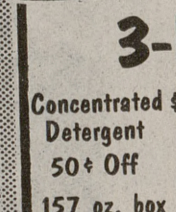


### DOVE LIQUID



### CLOROX BLEACH

1/2 gal. jug **59**



### 3-B ALL



### CARESS SOAP

With Bath Oil 5 + Off 7 oz. bath bar **39**



### RUSSET POTATOES



US #1 **10 99**  
lb. bag

US #1 Arizona VALENCIA ORANGES 4 lb. **99**  
Wash. Ex. Fancy Golden DELICIOUS APPLES...lb. **49**  
Fancy BELL PEPPERS...2 for **49**  
Super Select CUCUMBERS...2 for **49**  
US #1 YAMS...3 lbs. **99**  
RUTABAGES...lb. **19**  
Ca. Fancy NAVEL ORANGES...3 lbs. **99**

### BREAD

Piggly Wiggly 24 oz. loaf **39**

### PORK & BEANS

Showboat 4 # 300 **1**  
15 oz. cans

### 100 EXTRA S&H GREEN STAMPS

with every order of  
FILM PROCESSING  
Developing and prints  
This coupon must accompany your order.

Quantity rights reserved.

2700 Texas Ave S.  
3516 Texas Ave.  
200 E. 24th St.  
9 Redmond Terrace  
COLLEGE STATION,  
and  
BRYAN, TEXAS

we welcome  
FOOD STAMP  
SHOPPERS

## Regents

(continued from page 1)

The 11 men and the positions they were appointed to are:

— Dr. Dean C. Corrigan, dean of Texas A&M's College of Education. Corrigan is currently dean of education at the University of Maryland. He will fill a position which was left empty when Hubert became chancellor last year. Dr. P. C. Limbacher has held the job on an interim basis since then.

— Robert G. Cherry, assistant chancellor. Cherry was formerly assistant to the chancellor. He will continue to serve as secretary to the Board of Regents.

— Dr. Perry Adkisson, deputy chancellor for agriculture. Adkisson has been university vice president for agriculture until that office was phased out by the chancellor's proposal.

— Dr. O. D. Butler, associate deputy chancellor for agriculture. He has been the University associate vice president for agriculture.

— Dr. Fred J. Benson, deputy chancellor for engineering. Like Adkisson, Benson was a university vice president for his area before the office was eliminated.

— W. A. Porter, director of the Texas Engineering Experiment Station. Porter has been the station's assistant director and is a professor of electrical engineering at Texas A&M. He will replace Benson.

— Heston Cherry and Edwin Fenner, associate deputy chancellors for engineering. Cherry's responsibilities will involve plans and operations and Fenner's will be administrative. Both have been associate vice presidents for the University.

— Stanley H. Lowy and Terry E. Shoup, assistant deans for Texas A&M's College of Engineering. Lowy is a professor of aerospace engineering at Texas A&M. Shoup is a mechanical engineering professor at the University of Houston and will assume his new position July 1.

— Robert L. Smith, assistant executive vice chancellor for administration. He is now assistant to the executive vice chancellor for administration.

## Regents give Coach Metcalf first contract

Head basketball coach Shelby Metcalf was given a five-year contract at Tuesday's meeting of the Texas A&M University System Board of Regents.

Salary terms of the contract were not disclosed.

Spec Gammon, sports information director for the University, said Metcalf has not worked under contract before.

"No one in the athletic department but the head football coach has been working under a contract," Gammon said.

Texas A&M had its best year ever in basketball this season, with a record of 26-8. The Aggies progressed to the Midwest Regionals of the NCAA playoffs before losing to eventual national champion Louisville in overtime, 66-55.