

Written and Edited
 to MERIT YOUR Confidence

THE HOUSTON POST 10c

HOUSTON 1, TEXAS, TUESDAY, APRIL 3, 1962

1st YEAR, NUMBER 28,123

FOUR SECTIONS

TELEPHONE FA 3-3131; WANT ADS CA 5-1242

★ ★ ★ ★

LIKE HEARING A THOUGHT

Bellaire Youth's Device Sends Sound Direct to Brain

By ROB SAILE

It is a weird feeling to hear a sound that does not pass through your ears.

Those who have heard sounds through the hearing device invented by 17-year-old Pat Flanagan, a Bellaire High School student, can tell you that.

It is like hearing a thought. **THE INVENTION**, which Pat calls a neurophone, passes sound impulses directly to the auditory center of the brain — not through the ears. The invention has stirred interest in medical and electronic circles.

Its young inventor has received several inquiries from nationally known hearing aid companies.

Pat demonstrated the device at his home Monday afternoon for a skeptical reporter and photographer. Skepticism changed to silly grins.

PAT LIVES with his parents, Mr and Mrs G. C. Flanagan, at 5102 Linden St in Bellaire.

Pat, a young man with a genius intelligence quotient whose ambition is to be an astronaut, explained his invention this way:

"The two electrode pads which I placed on your head produce a radio field."

Then, he said, an incoming signal — voice or music — varies the frequency of the field, and the radio transmissions are received clearly and loudly.



PAT AND MOTHER DEMONSTRATE DEVICE
 Mrs Flanagan Holds Electrodes of Neurophone
 —Post Photo by Robert Willner

"The ears are tightly plugged and they pick up no vibration. The sound impulses go directly to the brain."

Pat has been working on the device for two years.

He began the project because of a problem he en-

countered while piloting a small private plane.

"**THE NOISE** in the cockpit of the plane was so loud and disturbing that I couldn't hear the radio very well," he explained. "So I started experimenting to try to find some

way to hear and still have all noise shut out of the ears... Pat has applied for a patent on his invention. He thinks, and others have indicated the same thoughts, that the device will prove useful to the aircraft industry.

And he says the device, through more research, could be constructed in a small, compact way so that it could be used as a hearing aid for persons who are deaf or hard of hearing.

"One problem is that persons who have been deaf for a long time lose the original function of the nerves which pick up the radio field," Pat said. "But it is possible that therapy might restore the nerve function."

ONE EXPERIMENT with a deaf, three-year-old girl seemed to indicate that the child heard sounds for the first time, Pat said.

"She smiled and her eyes were roving as if she were trying to see where the sound was coming from," he said.

Two physicians, one of whom has attended the child, have indicated a desire to experiment thoroughly with the neurophone, he said.

He thinks the electrode pads could be developed so that the electrodes would be large plates built into the walls of a room. The whole room would then become the field of sound, he said.

"**THIS HAS** possibilities for
 See SOUND on Page 11

White House Hears Space Homes Offer

NY HERALD TRIBUNE NEWS SERVICE
 WASHINGTON — The offer by a Houston associa-

Borderline Case -32 Years Over

BARKING, England—The town council closed a campaign to recruit part-time police auxiliaries Monday with only one applicant — Jim Cossen, 82. The coun-

Credit Plan In Tax Bill Is Opposed

The compromise was worked out by the White House and the Republican critics, Sen George Aiken, R-Vt, and Sen Bourke B. Hickenlooper, R-Iowa.

WHEREAS THE administration originally decided to buy up to \$100 Million worth of the special \$200 Million long-term

Alternate UN Bond Plan Given

Leader in Senate Calls World Body Vote-Trading Place

FROM POST NEWS SERVICES

WASHINGTON—A compromise United Nations bond proposal was offered in the Senate Monday by Sen Mike Mansfield, D-Mont, the majority leader, who made a major speech warning that the world body is increasingly becoming "a market place for the trading of votes."

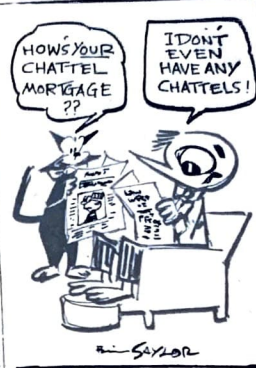
The compromise was endorsed by Sen Everett M. Dirksen, Ill, the Republican leader, and is certain of approval.

No vote on the UN funds proposed was reached Monday night. There was lengthy Senate debate on the UN.

IT GIVES President Kennedy a wide discretion in choosing how the United States may apply a special \$100 Million appropriation by Congress to help the UN out of its financial trouble. He could buy the special UN issue of 25-years, 2 per cent bonds; he could make a loan as originally demanded by Republican critics of the bond plan, repayable in three years or more—possibly at as low as 2 per cent interest; or he could offer the UN a combination of the two.

The compromise was worked out by the White House and the Republican critics, Sen George Aiken, R-Vt, and Sen Bourke B. Hickenlooper, R-Iowa.

WHEREAS THE administration originally decided to buy up to \$100 Million worth of the special \$200 Million long-term



MR WEATHERBY

Partly cloudy to cloudy and mild Tuesday and Wednesday. Moderate southeasterly winds becoming occasionally fresh Tuesday. Temperature range expected Tuesday, 47-75 degrees. Temperature range Monday, 45-69 degrees. More weather Section 2, Page 8.

12 Lending Firms Linked to Estes Deal

Chicago Company Believes It May Have \$7 Million Tied Up

DALLAS — (AP) — At least 12 lending companies and probably more are involved in the West Texas mortgage deals which resulted in charges against Financier Billie Sol Estes and three associates.

One company, William E. Heller and Co of Chicago, said more than \$7 Million in mortgages held by that firm alone may be affected.

TWELVE OF THE largest companies involved met in Dal-

\$2.5 MILLION

Estes Makes Lesser Bond, Heads Home

Charged Financier Denies He Plans Flight to Brazil

By TOM OMSTEAD, Post Staff Correspondent

EL PASO — Denying from the witness stand that he planned to escape to Brazil if released, Billie Sol Estes won a reduction in his \$500,000 bond here Monday.

The bond was ordered reduced to \$100,000 after a five-hour hearing before U. S. District Judge R. E. Thomason.

AN HOUR later, three of Estes' relatives had signed the

new bond and he was on his way home to Pecos to try to pull together his financial empire, which was shaken to foundations by his arrest Thursday.

Estes was jailed in Pecos a federal charge of conspiring and interstate transportation of fraudulent securities.

The charge grew out of dealings in storage tanks anhydrous ammonia fertilizer.

On the stand, as the last six witnesses testifying in behalf, Estes told Judge Thomason:

"**I AM NOT** going to Brazil nowhere else. I am going to perform my obligations, going back to Pecos and every working hour seeing every creditor loses no cent."

Estes testified that he has about \$32 Million and that net assets amount to more than \$20 Million.

In denying that he planned to leave the country to avoid criminal and civil charges against him, Estes refuted testimony of a Dallas banker, Frank Cain.

las last week and a spokesman said that an estimate of \$22 Million may have been invested in West Texas anhydrous ammonia tank mortgages.

The FBI in its formal charges said at least some of the tanks are non-existent.

...charg
fice in Waco, said the elder
Fairman passed a \$20 bill in

SOUND

Continued From Page 1

auditorium public address systems" said Pat. "The floor and ceiling could be fixed so that the sound level would be the same throughout the room."

The apparatus cost him \$25 and a lot of anxious moments to build, he said. What does he plan to do with it?

"Sell it," he said frankly. "I think I would like to see some company with the money to do it really develop something."

The hearing device is not the first product of Pat's ingenuity.

IN 1959, he won top honors in a school science fair. His exhibit in the fair was a missile detector.

He got a call from the Pentagon inquiring about that invention, he said.

"But it was obsolete in six months," he quipped.

Pat said he is now working on two new experiments. But he doesn't want to say anything about that just yet.

"I'll let you know when I apply for the patents," he said with a grin.

lors

Arshad
he and
wrecked
boat for
trailing
said the
ed. The
on a

the

y
d,
ying

M. Grant

connect