

Ten X-Ray Stars Are Discovered

By ALTON BLAKESLEE
AUSTIN, Tex. (AP)—In two years scientists taking a new look into the universe have discovered 10 x-ray stars.

These are stars or clouds of gases that broadcast x-rays. Earth people need not worry—the rays are too weak to get through our atmosphere.

The x-ray stars were detected by special geiger counters on rockets soaring up 100 miles high on quick-look flights.

All 10 are within the Milky Way, our own great galaxy of 200,000,000,000 stars.

Their positions imply that most x-ray stars are associated with supernovae—the brilliant, explosive death of stars. Dr. Herbert Friedman of the Naval Research Laboratory in Washington, D.C., said Thursday.

Three of these x-ray sources may be elusive neutron stars, he told the second Texas symposium on relativistic astrophysics at the University of Texas, CORE COLLAPSES.

A supernova involves the explosion of outer gaseous portions of the star, and an implosion or inward collapse of its core, he said.

Gravitational collapse of the core could concentrate star material into neutrons—a main particle in the nuclei of atoms—at a density of 1,000,000,000 tons a cubic inch. Material as big as our sun could be squeezed into a sphere only 10 miles in diameter, Friedman explained.

Hot but tiny neutron stars would not radiate much visible light but could send out x-rays. Now there is new evidence that they may cool rather quickly, becoming even dimmer and harder than ever to see, he said.

Of his current work on the subject, Friedman said he discovered in 1963 — found x-rays streaming from three points in the heavens where an invisible light now any radio energy can be detected at all, Friedman reported, so they may be neutron stars.

One is in the constellation Scorpius and two are in the Cygnus region, he said.

British Star Finds Moving To Broadway Role Difficult

By WILLIAM GLOVER
NEW YORK (AP)—Getting a fat role on Broadway has been an eye-opener for Terence Stamp.

"After I was picked as right for the part," he notes, "everybody wanted to change me. I never realized that transferring a pal' from one place to another could be so difficult."

Terence, one of Britain's rising young stars, arrived on Broadway this week in *Alfie*, a London hit about a Cockney gent of complicated love-life.

During rehearsals, Stamp reports, producer Frederick Brisson urged him to go see old Cary Grant movies—to get the right accent.

"It didn't seem to matter that Iingo was just what I heard while growing up."

His father was a Thames taxi driver and the family called an east-end slum home.

"Then somebody else suggested I get a haircut."

Being highly individualistic by nature, he stoutly resisted all efforts.

"The impresarios, here seem so nervous, but there's nothing to be nervous about because a theatre audience is generally a pretty sophisticated bunch."

"Besides, I can't rattle an audience. After all, everyone

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Flag Session Legislation Has Some Significant Items

OTTAWA (CP)—It probably will go into the history books as the "flag session," but the current session of the 26th Parliament has also produced some of the most significant legislation of recent years.

Adjourned Friday after a record 214 sitting days, its major items have included establishment of:

1. Youth allowances, paying \$10 a month to students aged 16 to 18 in a bid to discourage school dropouts;
2. Ten independent commissions to review the boundaries of federal ridings, taking the job out of politics for the first time;
3. Student loans, providing up to \$1,000 a year for five years interest-free to university students;
4. A 12-mile fishing zone, expanded from three miles to protect inland fisheries from foreign fleets;
5. A historic debate March

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8. A massive bill was introduced to modernize railway legislation, giving the railways wide powers to abandon money-losing lines and services.

9. But the bitterness of the flag debate over shadowed everything. It raged 33 days in the Commons before the government invoked the closure rule to get a vote. The red-and-white maple leaf design selected by an all-party committee won, 163 to 78.

PILOT INDICED

TOKYO (AP)—A French airline pilot was indicted Saturday on charges of smuggling 14 pistols and 700 rounds of ammunition into Japan. Capt. Georges Maurice Hurstel, 44, could receive a maximum of six years in jail and a fine of about \$1,000 if convicted. No trial date was set.

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10 The Guardian, Charlottetown, Mon., Dec. 21, 1964

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