

—Let's Go Fishing— THRONGS ENJOY CONSERVATION SHOW AT FAIR

Buffalo Are Magnet; Stream
Pollution Evils Are
Demonstrated.

BY LEFTY LEE
Times Fishing Editor

Anglers, hunters, and all other nature lovers should be sure to schedule a day at the state fair, and visit the display of the department of conservation. The officials of this department certainly have done their part to make the exhibit complete, and the service accorded visitors leaves nothing to be desired.

In addition to a complete exhibit of animal life found in the state, other animals are on display. The buffalo from Pokagon state park are one of the attractions that seem to interest visitors more than any other animal, tame or wild. In addition to this display, the stream pollution educational series, under the direction of E. V. K. Harvey, state health board secretary, who is taking an active part in the reduction of pollution in the state's streams, is interesting the fishermen.

Samples of polluted water, and models and pictures of disposal plants, and settling basins are included in the display. The present administration is trying an educational, rather than forceful, method of removing this menace, and the complete exhibit at the fair should be viewed by all.

We do not know the bait he used, but Game Warden Fleming of Ft. Wayne is the hero around the conservation department exhibit since he landed a pickpocket Monday.

George Ruth, Herman Zevan, Charles Bevan, and his son Jack returned from Cicot lake, ten miles west of Logansport, with one of the season's greatest catches. Their live box showed the limit of large crappie, that ran from three-quarters to one and one-half pounds, and forty-one catfish. These anglers did not fish for bass, but say that the bass were hitting, and mention seeing one angler with five good-sized ones.

The fish at Shafer lake are due for another workout, as Cliff Ross and Ed Clark are planning a trip to this spot Saturday and Sunday, and their promise is fish for all.

John Warner, a landscape gardener at Crown Hill, proved he also was there as a fisherman, when he visited Lew Hendershot's hangout on the Tippecanoe river, near Pulaski, and took a total of thirty-five pounds of channel catfish over Saturday and Sunday. The bait used by Warner was salted crawfish.

If all the people who call requesting information how to get to Asbury Park lake went fishing there over Labor day, we claim the place must have been crowded. The route to this favorite resort is State Road 2 to Morrisonton, and then follow the signs.

We were on our way home Monday night and noticed something on the sidewalk. Looking closer, we saw it was about seven pounds of turtle, making for Eagle creek. His course was changed slightly, and it won't be long until fried turtle is on the menu.

Butch Mitchell and his party enjoyed an old-fashioned fish fry along the banks of Big Walnut Creek Monday. The boys pooled the fish caught, and fried them for breakfast. The skillet was filled six times, but the outdoor appetite took care of that.

The party that recently visited Captain Smith, and tried for the big ones in his lake at Worthington, again are ready to see if the monsters that the captain had imported from Reelfoot lake will bite. Bass weighing from five to seven pounds are supposed to come and take any bait offered, but the last time out the report was no keepers.

Another Fine Picture

"Night Flight" has been hailed by previewers as one of the most important productions to come out of Hollywood. David O. Selznick is the producer of "Night Flight," which has an all-star cast including John and Lionel Barrymore, Helen Hayes, Clark Gable and Robert Montgomery, under direction of Clarence Brown.

"Sixteen films, at various stages of production at the Metro-Goldwyn-Mayer studios, take their place in the Loew line-up of fall hits."

"Eskimo," filmed by the Metro-Goldwyn-Mayer polar expedition to the Arctic, with a native cast, is to take audiences to the land of the Midnight Sun. Colonel W. S. Van Dyke directed this picture with Captain Peter Freuchen, who authored the book upon which it is based, supervising production and acting in it as well.

"Beats for Sale" brings a cast of M-G-M favorites in a film version of Faith Baldwin's novel, "Beauty." Madge Evans and Una Merkel share the feminine leads. Otto Kruger heads the male contingent while others in the cast include Alice Brady, May Robson, Eddie Nugent, John Roche, Phillips Holmes and Helen Travers. Richard Boleslavsky, who directed "Rasputin," is in charge of production.



WEARS RIBBON WON BY STEER

—Dietz on Science—

PLANET PLUTO NEAR 'RELATIVE' OF ASTEROIDS

New Theory Grows Out of
Study of Origin of
Solar System.

BY DAVID DIETZ
Scripps-Howard Science Editor

Sharp distinctions between planets, asteroids and comets appear to be breaking down in the face of recent astronomical discoveries.

These new discoveries, incidentally, may have considerable bearing upon theories of the origin of the solar system and related problems.

Prior to the discovery of the planet Pluto and the very recent discoveries of asteroids of peculiar behavior, the distinctions between planets, asteroids and comets easily were stated.

The planets, then eight in number, revolved around the sun in orbits which were nearly circular. The asteroids or "little planets," 1,000 or more in number, revolved in orbits a little more flattened than those of the planets in the gap between Mars and Jupiter. The comets were more erratic objects, moving in orbits of great eccentricity.

Then on March 13, 1930, the Lowell observatory at Flagstaff, Ariz., announced the discovery of the planet Pluto. The late Professor Percival Lowell had predicted the existence of a trans-Neptunian planet and had founded the observatory at Flagstaff with the search for the planet as one of its major objectives.

First Thought Comet

But Professor Lowell had anticipated a planet much like Uranus or Neptune, in fact he based his belief in the planet's existence on certain irregularities in the orbit of Uranus which such a planet would cause.

But study of the orbit of Pluto led to a variety of opinions. It became apparent at once that Pluto was not the sort of planet that Lowell had anticipated and that it could not be responsible for the irregularities in the orbit of Uranus.

At first, some astronomers even insisted that it was not a planet at all but a comet or asteroid.

It now is generally agreed that it must be a planet since its size, though much smaller than that of Uranus or Neptune, is somewhere between that of Mars and the earth. That is, its diameter is between 4,000 and 8,000 miles.

Its orbit, however, is much more like that of an asteroid than that of any of the other planets. The orbit possesses so great an eccentricity that the planet's distance from the sun varies by 1,800,000 miles.

Orbit Is Inclined

When Pluto is nearest the sun, it is closer than is Neptune. But due to the fact that Pluto's orbit is inclined at a considerable angle to the general plane of the orbits of the other planets, the orbits of Neptune and Pluto do not cross each other.

Many astronomers think that Pluto must be related to the asteroids and that it may prove the first of a series of trans-Neptunian planets with asteroid-like qualities.

This would seem to indicate that any theory to account for the asteroids and their behavior must also take some note of Pluto and the possibility of other planets like Pluto.

The situation with respect to the asteroids was still further complicated by the discovery of the two newest members of the solar system, now recognized as asteroids but regarded with so much bewilderment at the time of their discovery that they were referred to mysteriously as "objects."

Exist in Wide Gap

The two new asteroids are the "Delporte object," discovered by Professor Delporte of Brussels, and the "Reinmuth object," discovered by Professor Reinmuth of Heidelberg.

At first, it was also supposed that these two objects might be comets. While astronomers have officially decided that they are asteroids, they have also come to the conclusion that the difference between asteroids and comets is not so great as was once believed and that in some cases it may be possible to regard an object as either.

The asteroids in general exist within the gap between Mars and Jupiter. One, however, crosses within the orbit of Mars, several are about as far off as Jupiter, and one even has an orbit which extends out to that of Saturn.

The chief mark of the orbits of the asteroids in general is their great irregularity. The orbits are neither concentric nor evenly spaced. There are zones of gaps, however, in which no asteroids occur.

Path Is Nearer Earth

Until the discovery of the two new asteroids, the one which approached closest to the earth was Eros, an asteroid which came within 14,000,000 miles of the earth at certain times.

It now appears that both the Delporte object and the Reinmuth object will make closer approaches to the earth, while the Reinmuth object also being unusual in that one end of its orbit appears to cross that of Eros.

According to present calculations, the Delporte object may approach to within 12,000,000 miles of the earth, while the Reinmuth object will approach to within 3,000,000 miles of the earth.

DEMAND FOR FOREST
RANGERS IS ON RISE

Opening of New Jobs Credited to
Success of President's Drive.

Results of President Roosevelt's reforestation program are shown in the demand for foresters and rangers, civil service bureau aids revealed today.

At the present time there is a demand for persons versed in forest economics, forest and range management and range botany. Frank J. Boatman, head of the local bureau, stated.

The forest service under the department of agriculture has open the positions of junior forester and forester examiner to pay between \$2,000 and \$2,600 a year.

Applicants for the position must be on file with 21 and 35. The United States civil service commission at Washington not later than Sept. 21.

1933.

DRIVER HELD AS DRUNK

Arrest Made After Accident on
Wrong Side of Street.

Ivo Freels, 26, of 1241 South Pershing avenue, is under arrest today, charged with drunkenness, operating an automobile under the influence of liquor, and driving on the left side of the street, following a minor accident late Tuesday night in the 1200 block, West Morris street.

Freels' car was struck by one driven by Daniel Godan, 42, of 1039 West Morris street. Neither driver was injured.

TRIBUTE TO BE PAID
GERM'S DISCOVERER

Health Group Will Honor

Memory of Doctor.

Tribute to the late Dr. Walter Reed, discoverer of the yellow fever germ, will be paid in Indianapolis on Oct. 9 to 11, during the annual session of the American Public Health Association.

Wednesday, Oct. 11, has been set

by the association as Yellow Fever day and the honors to Dr. Reed's memory and to his co-workers will be paid after a dinner at the Claypool.

Among noted guests at the affair will be the famed John R. Kissinger of Huntington, the Spanish-American war private, who was the first man to offer his body for scientific experiments with yellow fever.

Surgeon General Robert U. Patterson of the United States Army, and F. F. Russell of the Rockefeller Foundation will be among the guests during the event.

Dr. William F. King, convention committee head, estimates that the

association and subsidiary organizations will bring at least 1,500 persons to Indianapolis for the sessions.

Weather conditions being favorable this year, Florida citrus growers expect the fruit to be larger than last year and of good quality.

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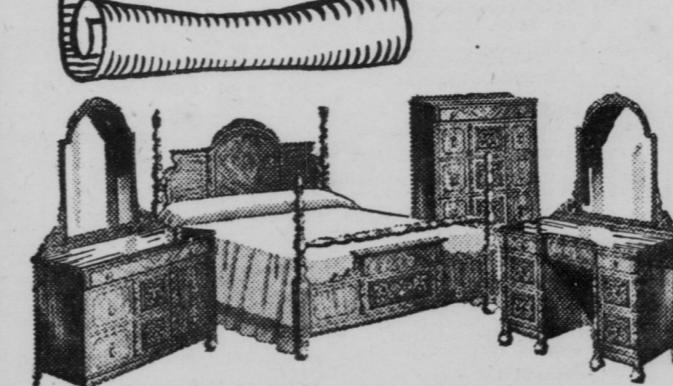
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