Firefly Put to Work For Scientists After Centuries of Idle Twinkling

OAK RIDGE, Tenn. (AP)- scientists at Oak Ridge national science, which always is looking After centuries of idle twink- laboratories are feeling their for the answer to life itself. ling and inspiring poets-and way closer to solution of an age-old mystery: how plants httle else-the firefly has been turn sunlight into energy. It's but to work ior science here. Using lightning-bug extract, called photosynthesis.

Already, Hollaender and his associates have learned to use the same chemicals the light-Among other things, the sci- ning bug does to produce an

entists have learned that firefly eerie green glow in a test tube. enzyme and extract from green And they've found that the leaves contain a common chemlightning bug, as he flits around, ical-a compound with the tonnonchalantry mixes no less than gue-twisting tag of adenosinefive chemical components, intriphosphate, or ATP for short cluding ATP, in the right pro-They've also learned that portion to make him light up. light in creases sthe amount of Using the mixture, they have ATP in green leaves, just as more ATP seems to increase the been able to measure very small amount of light given off by portions of any one of the five firefly extract. This, say scien- compounds by measuring the tists on Dr. Alexander Holloend- amount of light given off by a er's staff, promises answers to solution of firefly enzyme when such questions as how light more ATP is added.

energy is transformed by green This ease with which the enplants into chemical energy. | zyme can be measured is one And since all living 'things, thing that makes it a valuable ncluding man, ultimately make scientific tool-and why, in an use of the light of the sun for atomic age, the little glow worm heir energy, the firefly may seems to glow brighter than open endless possibilities for ever.

SHEILA CARTER Pretty and talented young miss above is eleven-year-old Prince Rupert Daily News Thursday, August 13, 1953

BLACKWOOD on

By EASLEY BLACKWOOD

Bridge

Counting Hand Sometimes Shows "Unsafe" Lead Best

In counting a hand on the defence it sometimes becomes clear that you must lead a certain suit in order to have a chance to defeat the contract. That suit should be led in such cases, regardless of the fact that the lead is one which you would normally avoid

as "unsafe." In today's deal Mr. Champion was permitted to win the first two tricks with the jack and 10 of diamonds, Mr. Muzzy playing the nine and eight in that or-

Both sides vulnerable North (Miss Brash) S-K 984 н-93 * D-K 7 6 5 C-K J 10

East

South dealer

Cars Valued at \$300 Million Line Lots on Toronto Street

TORONTO (P)-Known as the ally a spacious garage who street of 10,000 cars, it stretches weak spots are made strong and through Toronto's east end for cars are give na complete en miles. The men who work on it cars are given a complete of call it "the great white way of lot.

Canadian motordom." The city With an estimated \$300.000 street guide lists it as Danforth cash turnover the street of m is the biggest used car man

They don't make automobiles in Canada-one of the him on Danforth avenue, but the anywhere. There is no en used car lots that line it put an- work in the used cars sold fother car on the road every four this market place. These m minutes. Police statistics show chants are in business to star more than 100 used car lots on a business that, to a large tent, depends upon return tre this motorcar marketway. And the lots are not broken, for its life. One bad have glass-dotted blots squeezed in could mean a big loss from n between buildings. They are extential buyers.

panses of landscaped grounds with streamlined, air-conditioned The ancient Chinese tea m offices where seller and buyer opoly ended in 1823 when i can sit in comfort and dicker. tea plant was found group Besides the office there is usu- wild in India.





ed. "is that you'll never catch me leading from a queen into a 'MOVE WITH EASE . . . SHIP VIA LINDSAY'S" king-jack on the board." rolls for Phone 60 or 68 Try Daily News Want Ads Granulated 51b. Aluminum Foil Wrap 310 Alrol. 25-ft. roll Malkin's Finest White Label, Lb. Picnic, Kits and RFAN 320 nnnI A Malkin's 2 L for LDC Duchess 15-oz. First Aid Kits \$1.98 Johnson's. Plastic case ROBIN HOOD Robin Hooo, White Cake Mono Hot Cups 2 for 25c CAKE MIX White, 14-oz. 2 FOR 49C Perfey Bleach & SUPPORT YOUR LITTLE LEAGUE BASEBALL 45c₩ 64-oz. jug. Now



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Freshly Ground Coffee Instantly

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