v Rocket he Planets

n Nature Magazine er, 1931).

tive mind, viewing vens and the lumb planets, there is f mystery, and the

in scientific specuom the time of the illed with commene of our sister planreat interplanetary rs searched out e mysteries of the up the impressive

igation and romanestioned that some aysteries would be ce then, has been ace, and through has in the rocket in theory at least from the earth heatless interplanmoon a quarter of y, or to Mars and of the highest rein the giant that eket to make the

ature of an interis necessary to is a form of recharge of explocombustion chaming gases exert a upon the chame rocket forward. ar to the recoil osion of the powthe bullet on its he gun against the

accelerate slowly at the speed of ond, necessary to rth, the rocket is the great task imfuels have proved

chnical problems Nor have rockets enough to yield During the past has been evident, in progress in to send them up andred miles. ne interplanetary

e a weapon for ridicule a dream on the way to ence possible for t of the journey, on, or Mars or be made at night, ased on a matherve through the

fill be lying in a the rocket ship, because the acwill be so great pressure would were we standm the navigator behind us, and and of an invisto our cots, For essure, growing moment, conoad of twice our on our bodies, when it seems d be borne longas to relax. The et exhausts has speed of more cer free of the

window and see hundred miles appreciably in ation becomes

It is as if the

gradually with-

a lack of support

clear, and for an te feels as if he othing now, send us shoot. the room. We bathe as on weightless, will remain in the All free liquids om disconcert 8; and to drink liquids from a and to breathe

g system that

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r, of the pres

we are accus-

Impurities are ad the air revitwould probably character. For, in atmospherenall fraction of vapor of the its temperature zero to 40 de age often being n and midnight ife form of the Id exist.

a twentieth cen threshold of ad and more thrill n offered to the lment will come ne instrumentand with it the ould be possible

South Africa Finds Sharks Profitable

Man-Eaters Furnish the Raw Material for Thriving Industry at Durban

ed by their own fierce efforts to escape to ben if..." from the nets.

wasted at the shore station. One of low price levels have affected farming, municipal authorities, as these only there were, the game would soon lose the most important products is shark lumbering, mining, and newsprint aggravated the situation. Referring to its fascination and charm. No one leather, which is tough, with an ex- manufacture, remarking in regard to the fact that the downward movement likes to feel that the other fellow tremely fine grain and a color that the atter that there was reason to be of prices had reached record levels knows as much as he does and, if the bid two spades on the theory that the have and keep peace we have to fight never fades. Shoes, bags and gloves lieve that a better condition was being during the year, he pointed out the bidding were perfect, no one could put dealer's partner, if he held a stopper in have and keep peace we have to fight Experts of Other Nations Adof the best quality are made from ushered in by the profit arising from impotence of a Central Bank in mainshark skin. A ton of shark yields the premium on New York funds and taining a stable price level as demon-The Versatile Liver Oil.

which, when refined, is very similar distribution of the product. to cod liver oil. Lower grades of shark liver oil are used in the manufacture of paint, varnish and soap. The best oil has been turned into margarine without a trace of fishy smell of flavor remaining.

Shark fins, of course, go to China, where such delicacies are relished. A shark fin, in fact, is about the most expensive food in the world. It contains a gelatinous substance which is prized for its vitamins. Dried in the sun and carefully packed, one shark fin may be worth \$5 by the time it | ************ West End, an ear-ring, consisting of an reaches the Far East.

Cleaned and bleached and often his shop clinging to the arm of the capped with gold, they make neck- fat, florid, middle-aged fellow who had laces which are adored by the women just bought a very expensive engage- Unlikely there could be two pairs of of China. In some of the Pacific Is- ment ring, "ninety-nine girls out of a ear-rings of such unusual design. At lands sharks' teeth are used as curren- hundred will sell themselves for a life the thought he felt uneasy, and for ey. A Sydney firm once received an of luxury." order for 100,000 sharks' teeth for this

Shark meat tastes very much like salt cod. Washed, pickled, dried and cut into strips, it is ready for export to certain African territories where it is held in higher esteem than can- ly. "I-I was wondering if you would house or write, because of her old ned salmon or caviar.

Dress Goods and Drugs. ful quality. Precious drugs are obtain- shape of a teardrop. ed from the pancreatic glands. Other "I found only one," she explained;

of nitrogen. A great impetus was given to the gone!" shark-fishing industry by the discovery It was some time before Eddie realof a method of removing the delicate ized that in the case of ninety-nine Station on Sunday morning—waited familiar. In the nineties it had been To Eddie's amazement Mary sorrowskin. This is an intricate, secret pro- such customers out of a hundred he till one o'clock—but she did not come. famous. Sophia had been a musical fully shook her head. There was her cess. Sharkskin, properly treated, is would have asked questions. This girl Had she seen the advertisement and comedy star.

sharks will result in a state of af- pounds, and then sympathized with the advertiser at Donnelly's Hotel, it was—a pledge. But—I failed him. Mrs. Dowson broke in. The cousin of sharks is equal to any demand. At eighty sharks, including some weighing 1,000 pounds. And eighty sharks are worth about \$2,000. There are mil lions more in the sea. Experts believe that it will be at least ten years before the supply of sharkskin can meet the demand.

The Intelligentsia

By G. Bernard Shaw in a recent lec-

telligentsia was not working.

When I went to Russia I was re- bag-snatchers about." ceived at Moscow by a large delegation of authors. To begin with, they minutes.' people I wanted to see. There were clock, ejaculated: also men of science, artists and the "Four! Would you think it fright- certain she has a perfectly good ex rest of it. They all came. I noticed ful cheek if I asked you to have a cup planation. they looked uncommonly jolly and of tea?"

I said to the authors: "I am glad it was thicker than ever. At six he "I-I'm afraid I can't," Eddie said to see you looking so prosperous and reported that, though artichoke soup awkwardly. "She gave them in co so on." Not a single author in Rus- may be nicer than the pea variety, it fidence." sia tried to borrow a single shilling : just as thick. And before it had "Oh!" was her comment. "Well from me. That is an absolute record lifted they had arranged a country you'll have to give them to the police for the earth. I said to them: "Are tramp for Sunday. you not the intelligentsia?" They re- Tramping with Mary across a wind- "The police?" plied: "Certainly not. We are not the swept Surrey heath. Eddie found her "I shall put the whole affair int

I said: "I knew that, of course, but less of the miles and the hills; obvious- believe your story. Maybe you picked I thought it was more or less of a ly dainty, yet heedless of the mile and the ear-ring up yourself and kept it till family secret between ourselves. How the rain that fell towards evening. a reward was advertised-or perhaps did the Russian Government find it On that walk he discovered that the girl's your accomplice." out, and if you are not the intelligent- Mary lived with an elderly invalid: "That,' said Eddie, "is a lie. She

sia, what are you " lectual proletariat."

jug of corn likker beside him. "he night" salesman came up the steps: "How do The universe seemed sinking in the lounge among se fronds of a pair work on agriculture which gives all ly say "Yes." But she did, finally.

be."-Saturday Evening Post.

Says Canada Strong in Day of Trial

Bank of Montreal Heads Review Situation at Bank's Annual Meeting

In the speeches of Sir Charles Gor- Canada's large foreign obligations don, president, and Jackson Dodds, would tend to prevent an early return joint general manager, at the annual of the Canadian dollar to par, he said Cape Town.—Sharks, the man-eat- meeting of the Bank of Montreal, com- he had no doubt that it would return ers of sinister reputation and grim ment was made on the inherent to par. As factors already working memory, are now providing South strength being exhibited by Canada in to that end he remarked that the ad-Africa with a new and flourishing in- the face of world depression, especial- verse balance of trade in the 12 dustry, writes Lawrence G. Green in ly in regard to the banking structure months to September 30 had been re-The N. Y. Times. The shark fishing of the country. Sir Charles, while de- duced to \$35,000,000 as compared with station at Durban has proved a suc- clining to prophesy as to the immedi-

South African waters use gill nets, 600 vail," and Mr. Dodds remarked, "It point of an adjusted foreign trade. on board the small vessels operating dence and co-operation are restored, year. Remarking that "we should be understood and applied by the average because of the dealer's bluff bid. from Durban. The sharks are dead and commerce in consequence im- thankful that we in Canada are as player. The writer has known of many fine example of winning by bad bid- that he can write a good book. when they reach the surface, drown- proves, Canada will be among the first well off as we are," he said business, match games between experts advocat- ding.

While expressing the opinion that by placing them on the land.

Not a scrap of a shark's carcass is reference to the manner in which the penditures by federal, provincial and is no perfect system of bidding. If

The Hundredth Girl

It Seemed Suspicious-But He I

lieved in Her Absolutely. By A. G. Greenwood

"That's it," thought Eddie Scott, eye-The teeth go to the same market. ing the pretty young girl, as she left S. D., Donnelly's Hotel, Bloomsbury."

revealed a mass of dark curls.

care to buy this?"

The skin of a shark's stomach may palm an ear-ring, consisting of a go. He went. But no Mary Ridley be turned into a substitute for cloth. miniature eye, enamelled in natural lived at No. 6. So she had given a The gall provides pigments of wonder- colors, with a pendant- pearl in the sham address. No wonder she would

parts of the carcass are converted into "and one ear-ring isn't much good, is fertilizer containing a high percentage it? Yesterday I was unlucky. I had diculous! Of course she was—as my bag snatched. Nearly two pounds

name and address.

"Mary Ridley," she said.

scribbled at her dictation in his order- could get no reply.-Mary."

and opened it. A fog had come on. Finally there came a time when all "It looks pretty thick," he said. Eddie explained his mission, and hardly safe-especially with all these on it. Hers? Yes. She'd know

"Well, p'r'haps I'd better-just a few ed from her. He explained. always planted authors on me in all So Eddie got a chair for her, and girl picked it up somewhere and sol directions. They were the very last they talked till Eddie, glancing at the it to you? That's a crime, you know."

cousin, a martinet, and was scarcely as straight as-" "We are the intel- ever free except on Sundays, when an- The door was burst open and other relation spent the day with Cous- rushed an excited waiter.

you do, sir. I have here a monumental balance because she didn't immediate madame!" the newest methods in farming." Eddie carried that queer pearl ear- ring. "What good will it do me?" "Why, ring in his pocket on that second "Tell me," she cried, panting, glaring it will teach you to be a better farm- tramp, and wondered if, one day, he at Eddie, "all you know about that er." "Don't want it. Ain't half as could have a fellow made, and she girl!" good a farmer now as I know how to would accept—well, the three of them. When the waiter had gone, Eddie me your name and add: as even when the grounds occupied a few months thing ye seen it, or I'd have gone home This time she did not keep him in sus- said:

The second secon

shining. "Good-night."

But on Monday, as he glanced as can say you made a bad bid. usual at the Agony Column of his daily The following example hands apply tion is everything. Let your partner that she always says "just what she chase of foreign war materials. But,

enamelled eye and a pearl in the shape of a teardrop. All communications to With the ear-ring in the palm of his

"Good-afternoon," she said nervous- | She had told him not to come to the Eddie took from her outstretched ter, and an urgent one. He ought to not let him see her home! But what was all this leading to? To the conclusion that she wasn't straight Ri

fectly sound explanation. He must

so soft that stockings which will not was the hundredth. Questions didn't taken alarm? Was she afraid to meet "I gave poor Andrew one of my ear- would all be so lovely, but it was imoccur to him. He merely observed him? Miserably, he decided that it rings on the day I sailed for New possible—quite impossible. There is no fear that the war on that the pearl was worth a couple of was up to him to communicate with York," she babbled. "A love-token Eddie breathed freely again, until

"A mere matter of form," he added; post on Monday morning Eddie read: appointment, but my cousin was sud-

That evening Eddie went to Donnel "Mary Ridley, No. 6, Fairfield Road. ly's Hotel. He was shown up to a pri-Swiftly he preceded her to the door florid-looking, middle - aged woman,

smothered in jewels. this business about ostracizing the in- won't you wait? Please do. It looks showed her the ear-ring. She pounced

Mrs. Dowson glowered, then said:

The fog was friendly. At five o'clock "Give me her name and address."

glorious; seemingly fragile, yet care- their hands. I'm not at all sure that I

"It ees fown!" he announced, ar

pence at Earlsfield Station at the en of their tramp.

"Next Sunday at ten?" said he.

the first time Mary's initial remark, "I He was enlarging on this cynical found only one," occurred to mind. theme when into the shop stepped a Had she picked it up? Didn't she Hearts-Q. 6 tall, slim girl, whose Robin Hood hat know that findings aren't keepings? What had he better do? See her?

> cousin. But this was a business matstraight as a die! There was some per-

wait till they met on Sunday.

They chatted for a little, and it was He rang up. It was Mrs. Dowson he behaved shamefully. I admit it. I every attention, every luxury. only when at last she said "Good-after- wanted, said the girl in the office. She noon" that he remembered to ask her would be back on Monday evening.

but he felt he couldn't let her vanish "So terribly sorry I couldn't keep was that years ago he had married Victoria as—as an excuse. I couldn't denly taken ill, and I couldn't possibly self." Eddle repeated the name as he leave her. I tried to 'phone you, but

vate sitting-room, where he found s

among ten thousand. Questions pour-

"You mean,' 'said she, 'that this "I'm sure it wasn't," said Eddie. "I'm

"Will you meet me next Sunday?" | held out a salver on which lay the dup-The farmer sat on the porch with a Eddie asked before saying "Good-licate of the ear-ring Mrs. Dowson still held. "Be'ind se divan in se



If there is one thing about Auction partner, holding the remaining six and Contract that is certain and un- hearts, doubled and defeated the concess. Before long the shark hunters ate outlook, said that taking the long months, and that in the five months to system of bidding has been or is ever breaks of course, but show what hapwill be at work all around the coasts view "There is every reason to look October 31st last there was each likely to be invented. Almost any pens even to the soundest of bids. of the Union, from Zululand to Walvis forward with confidence to emerging month an excess of domestic exports system, if clearly understood by part. Here's the other angle: winning by stronger and more prosperous than over imports, so that it would seem ners and intelligently played, will pro- bad bidding. The dealer holds a strong Commercial shark fishermen in ever from the conditions that now pre- that the country had reached the duce good results. The only difference no-trump hand but only two little feet long and 50 feet deep, with a would be rash indeed to speak with Jackson Dodds, joint General Man- games lies in the difference in the trump, he bid two spades and was mesh which trans the difference in th between systems of bidding in both spades. Instead of bidding one no mesh which traps the shark behind assurance of the prospects of the com- ager with W. A. Bog, in presenting the ferent systems. The only thing that two no trump and made three odd. the gills. So large are the hauls that ing year, but it is surely permissable balance sheet reviewed the progress makes one systems. The only thing that and his partner had a it is often difficult to drag the nets to say that when in ernational confi- made by the Bank during the fiscal other is the fact that it is more easily set-up spade suit, but failed to lead it

> nevertheless, was at a low ebb, and a ing different systems and, as a rule, Stil lanother example. The dealer true confession stories aren't saying Sir Charles Gordon made particular halt must be called to mounting ex- such matches have been more or less bid one no trump and second hand, anything about them.

Diamonds-A, K, Q, J. 10, 7, 5

the spade suit, would undoubtedly bid for it. the premium on New York funds and taining a stable price level as demon-from consolidation of companies for strated by United States experience, tract so fascinating, however, is its second hand had planned. The deal-uncertainty. Every bid, practically, is er's partner bid two no trump, second book of knowledge. the purpose of reducing overhead ex- Concluding, he urged the adoption of in the nature of a speculation or a hand doubled and defeated the con-Then there is the valuable liver, pense and effecting more economical a policy by which as many unemployed gamble for there is no guarantee that tract by two tricks, making seven as possible will be made self-suporting the cards will not be so distributed diamond tricks right off the reel. thousands who can drink firewater. observers spotting the supposed enthat your bid, no matter how sound, These examples of winning by bat cannot be made. For example, sup- bidding are given as a warning. Never "Thanks for the lift," said the wo- copes, says Pearson's. The reason is pose you bid one heart, holding five try stunts of this kind fo rthere's noth- man, as she climbed from the plastic that British periscopes are miles d hearts headed by the ace, king, queen ing to such bidding. If you win once, surgeon's chair. "I love you," is still ahead of any manufactured abroad. and an outside ace. No one will say you aare encouraged to try again, and the sweetest sentence in any tongue, The United States have just placed that such a bid is unsound under any you cannot help butt lose out in the but it is no longer a life sentence. a big order with a British firm for system, and yet you arre doubled and long run. Learn some system well and "If you like." she answered, eyes lose your contract by three tricks. understand it thoroughly. Once you falling off in the marriage license marines. France used to buy our periagainst you. A bad break but no one will get results. The system you rate, that will be final proof that love scopes, but is now barred from doing choose is immaterial, but the applica- is blind. A woman you know brags so by a decree prohibiting the pur-

> last and all the time The following problem was submit-

and asking for assistance: rrectly bid two hearts. The dealer's Problem Hearts-K, 8, 7, 3, 2 Diamonds-none Spades-A, 10 Hearts-9. 5 Clubs-8, 7 Diamonds-10, 4, Spades-none Hearts-none Clubs-A. Q. 5 Diamonds-none

Spades-9, 5, 4, 2 There are no trumps and Z is in the lead. How can Y Z win five of the Church) seven tricks against any defense? Solution in next Article.

"Tell me what it all means first. If "Thank you," Mary said, smiling, you mean to harm her-" "Harm her!" echoed Mrs. Dowson hand. shrilly. "I believe her to be the daugh- | He took it, gripped it, and thought: ter of the only man I ever loved! You | 'This is good-bye."

and, holding the following:

Diamonds-K, Q. J. 6

Clubs-6

Diamonds-none

Spades-A

Hearts-Q, J. 9, 8, 6, 4, 3

know me. Everybody knows Sophia

She wept. Then, recovering: "Surely,' she demanded, "the girl keeping myself and depending on no

gave some clue to her identity? "She gave an address which waswas incorrect," admitted Eddie; "and a name, Mary-"

"Ridley?" quavered Mrs. Dowson. 'Yes, Ridley."

rectory." In vain they went to three _I'd___" different Fairfield Roads. other Fairfield Road?"

want, ma'am," answered the man, and rey heath any day!"-Answers. spelt the name. "That's Balham wye." He was right. Mary herself opened the door, staring at excited Mrs. Dow-

son and anxious Eddie. "The "first-floor front" happened to be vacant, and there Mrs. Dowson, clutching Mary's hand, told her story. "Your father had treasured the ear-

ring, Mary?" Yes; Mary had found it locked away amongst his papers after his death. "You shall come and live with me, Mary," declared Mrs. Dowson. "You will have your own dress allowance and be your own mistress. I'll buy you a car; you shall have lovely frocks, all a girl could set her heart on; we will go to the Riviera, the Lido-every where; you shal have everything." To Eddie the little room seem

"And I shan't forget the debt I owe you, young man!" cried Mrs. Dowson turning to Eddie. "When first he thought it was my own---'

ddenly to have grown very dark and

"And now, Mary,". declared Mrs.

He was a painter-making nothing. I should go to a nursing home, have

married an American. For years I "I'm sorry,' 'admitted Mary present lived in New York. He died. I came ly, with an unsteady smile. "I-I'm On a postcard that came by the first back to England a rich widow But I afraid I wasn't being quite straightnever found Andrew. All I discovered forward. I see I was using Cousin somebody else. I never forgave my- accept-for my own sake. I'd never be happy. Since I was sixteen I've worked. I like working. I'm proud of

body---"Mary! My de-ah, you don't real

"Oh, I do! You want to be wonder fully kind. It is kind-breath-takingly kind. Many girls, I expect, would have The friend knew nothing of fishing, The manager of the hotel was sent jumped at your offer. I-can't. Why, but decided to try his luck. for. A page brought the "London Di- rather than sun-bathe on the Lido, I'd

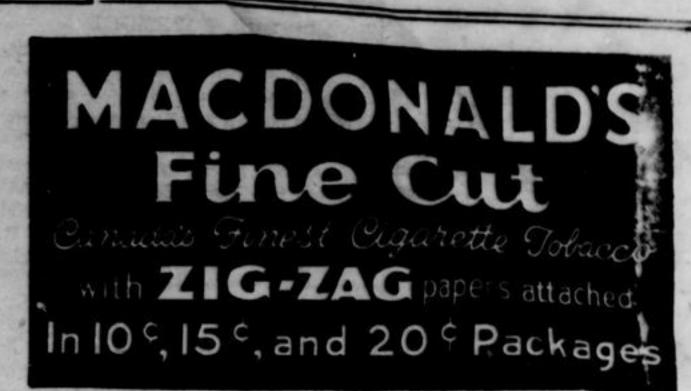
She hesitated, gave Eddie a glance "I must find her," said Mrs. Dow- that thrilled him and seemed to say son, sobbing. "Driver, is there no "It's 'yes'," though all that she said

"Dessay it's Phayrefield Road you "Why, I'd hike in the rain on a Sur-



He-Bird migration is a wonderful thing. /The humming birds have started on their long journey over

brought me your ear-ring, Mary, I Brazil Takes to Roller Skates I threatened him with the police." ago by "Golfinho" courses.



Owl Laffs

"Something Tells Me" That times first became hard ar

That those who could write the real, ITED, MONTREAL

That a half-wit uncle is not a That there is no blackmall in the

equally well to Auction or Contract. know what he can expect of you and thinks" is no great shakes of a think- while France makes her own, she "£10 reward. Lost recently in the The dealer bid one spade and second don't disappoint. Be dependable first, er; she ought to study up more pleas- works under the supervision of British ant thoughts, or stop talking so much, experts. ted by a correspondent, with the state- It takes hard work to make easy liv- Japan's whole submarine flotilla is ment that he was unable to solve it ing. Physicians sa; one million we- "periscoped" by Great Britain

> one who wants to give back to the eminence in this high-skilled trade, but world some of the good he has got out since then British design has been of it. Old-time "innocent amusements" vastly superior. are still innocent, but they are no long. The latest advance in periscope er amusements. It is always well to manufacture is in the measure of remember that an ounce of keeping light that can be gathered into the your mouth shut is worth a pound of lenses. It is not only necessary nowaexplanation.

> Mule in a barnyard, lazy and sick, craft. And, in all these vital essen-Boy with a pin on the end of a stick, tials, Britain's periscopes are best. Boy jabbed the mule-mule gave a lurch-(services Monday at the M. E

The restaurant advertised sudden And witch you with her mysteriesservice, but didn't give it. A patron and went to Eddie and held out her fell asleep. He awoke to hear the gave an order, waited patiently and Is a forgotten dross, and power and waitress' voice: Toys of an hour, and woman's care-

Waitress-"Did you order this sun-Customer (in dismay) - "Good

heavens! What day's this?" It was Sunday morning in a church school. "Will you please tell me," said a member to the teacher, 'how far in actual miles Dan is from Beersheba? joke about the Egyplian guide who All my life I have heard the familiar showed a group of tourists two skulls

I have never known the distance." boy, and the other when he was a Before the answer could be given, man?" Englishman-"No, let's hear

thought they were husband and wife. like Sodom and Gomorrah."

Mr. Gay-"Tell me, my dear, how d you manage to get the maid up early in the morning?

Mrs. Gay-"It was ather clever of me. I introduced her to the milkman.'

After a long silence by the banks of the stream the novice said, "I say, how much do those little red things cost "You mean the floats? Oh, they're

cheap. Why?" "I owe you for one. Somehow, the fact that a man would

have made you miserable for life is no consolation for not having married him. Recipes come in books, but cooking, like love, just comes natural. Little men who got into important rositions seldom miss an opportunity to determine their size. A milliner usually tries to keep prices under her The ambitious wife of a millionair

gave a big dinner party. Her husband, who had made his money as the inventor of a patent rat poison, was silent during the dinner. As the ladies left the room, his wife found an opportunity to whisper to him: "Why on earth don't you talk?" "Talk?" he replied. "Why, what's the use of i Not a single person here knows anything .. bout rats."

Sao Paulo.-With the decline of seen me vest?" "Sure, Murphy," said She went into details, and ended up: miniature golf as a popular sport, Bra- Pat, "and ye've got it on!" "Right and "He wouldn't hear a single word zilians have taken to roller skating, I have," replied Murphy, gazing solagainst you, and flatly refused to give and several rinks have been built on emnly at his bosom, "and it's a good without it."

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British Periscopes Best in World

mit Supremacy of British roduct

London.-When the submarines of That for every fire-eater, there are foreign nations are out at practice, the emy must peer through British peris-

men are overweight; these, of course. Before the war we were fighting are round figures. A good citizen is neck and neck with Germany for pre-

days to control torpedo fire, and watch enemy vessels, but also to observe air

Knowledge Knowledge will stoop and lead you to

Light as the breath that breaks it. He who binds His soul to knowledge steals the key

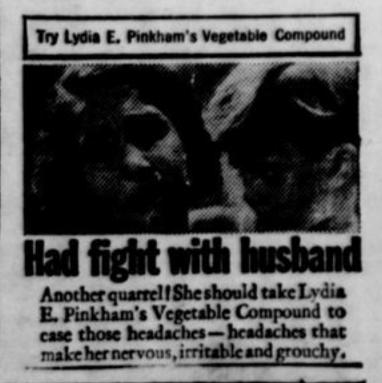
-N. P. Willis. Irishman-"Did you ever hear the phrase, 'from Dan to Beersheba,' but of Tutankhamen, one when he was a

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