Companies Gamble $20 Million On Finding Oil Under Pacific

VANCOUVER (CP)—Oil companies are gambling an estimated $20,000,000 that they'll find oil under the sea off the British Columbia coast.

One company predicts that if sufficient quantities of oil are found, the economic consequences for the province would be enormous.

The money has been staked by Shell Canada Ltd., Pan American Petroleum Corp. and British-American Oil Co., all of which have federal exploration permits.

Exploration has proceeded quickly in the past two years despite a dispute between B.C. and Ottawa over who owns undersea minerals. The federal government has said it will ask the Supreme Court of Canada to decide the issue.

Shell has acquired more than 75 per cent of the 17,600,000 acres and BA about 1,000,000.

Paul L. Kartzke of Toronto, president and chief executive officer of Shell, said his company has committed more than $15,000,000 to drilling its first test hole, starting next fall a few miles off Long Beach on the west coast of Vancouver Island.

If sufficient oil is found, he said, Shell would ship the crude to its refineries here and at nearby Ferndale and Anacortes in Washington state.

These refineries require a total of 225,000 barrels of crude every day. The entire daily production of oil-rich Alberta is about 575,000.

Alberta's production brought revenue totalling $642,000,000 to producers last year BC producers last year got about $40,000,000 from daily production of 40,000 barrels.

Once the requirements of Shell's Vancouver and Washington state refineries were satisfied from undersea wells, said Mr. Kartze, excess oil might be shipped to the rich California market, provided the political climate is favorable and U.S. oil import restrictions are eased.

"There is no question at all that discovery of oil offshore would be tremendous for this province," said Mr. Kartzke.

But he warned that it will take time.

"It cannot be done overnight. Think of the engineering problems of storage and re-orientation of the industry to a different supply source. The crude might be of a different kind and reuire refinery alterations."

He added, however, that Shell plans a major modernization project to expand production within the next five years at its Vancouver refinery which underwent major alterations and expansions only 10 years ago.

First offshore drilling in other parts of Canada also is to begin this year on federal permit holdings that total 172,000,000 acres —more than the total oil acreage land holdings of the four Western provinces.

Federal permits total about 94,000,000 acres on the Atlantic, 53,000,000 in Hudson Bay, 17,600,000 on the Pacific and 7,500,000 on the Arctic coast.

ON THE AIR

The following program listings are published free of charge as a public service and appear as presented to us by the stations concerned.

FRIDAY PROGRAMS

CFCY-TV

1:30 p.m.—Musicale
2:00 p.m.—Film Festival
2:30 p.m.—Today at Home
3:00 p.m.—To Tell The Truth
3:30 p.m.—Take 30
4.00 p.m.—Bonnie Prudden Show
4.31 p.m.—Razzle Dazzle
5:00 p.m.—Rin Tin Tin
5.30 p.m.—Music Hop
Frank's Bandstand
6.00 p.m.—Mr. Ed
6:25 p.m.—Robin Hood Jackpot
6.30 p.m.—Gazette
7.00 p.m.—CFCY TV News
7.15 p.m.—Purity Flour Jackpot
7:20 p.m.—The Farm Scene
7.30 p.m.—The Flintstones
8.00 p.m.—The Munsters
8.30 p.m.—Musical Showcase
9.00 p.m.—Get Smart
9.30 p.m.—Tommy Hunter Show
10.00 p.m.—Friday Theatre
"Courage of Black Beauty"
12.00 a.m.—CBC TV News
12.13 a.m.—Local Weather and Sport Scores
12.14 a.m.—Sign Off

CKCW-TV

9.57 a.m.—Station Sign On
10:00 a.m.—Canadian Schools
10.30 a.m.—Nova Scotia Schools
11.30 a.m.—Friendly Giant
11.45 a.m.—Chez Helene
12.00 p.m.—Butternut Square
12.20 p.m.—Across Canada
12.50 p.m.—Friday Playbill
My Six Convicts
2.30 p.m.—At Home with Helen Crocker
3.00 p.m.—To Tell The Truth
3.30 p.m.—Take Thirty
4.00 p.m.—Bonnie Prudden
4.30 p.m.—Razzle Dazzle
5.00 p.m.—Cartoon Capers
5.30 p.m.—Music Hop
6.00 p.m.—Supper Club
6.15 p.m.—TV News
6.25 p.m.—TV Weather
6.30 p.m.—TV Sports
6.35 p.m.—Supper Club
7:00 p.m.—TBA
7:30 p.m.—The Saint
8:30 p.m.—Peyton Place—III
9.00 p.m.—Get Smart
9.30 p.m.—Tommy Hunter Show
10.00 p.m.—Friday Night at the Movies
Part I—This Sporting Life
Part II—Riot in Juvenile Prison
12.00 p.m.—CBC National News
12:15 a.m.—LTV News Highlights
12.17 a.m.—Friday Nite Movie Continued
2:00 a.m.—Station Sign Off

CFCY

FRIDAY

6.30—News and Weather
6.35—Morning Roundup
6.45—Island Wr. and Mar. Temp.
6.46—Morning Roundup
6.55—News and Weather
7.00—Hebrew Christian Hour
7.30—News and Weather
7.35—Farm Report
7.41—Morning Roundup
7.45—Island Wr. and Mar. Temp.
8.50—Atlantic News Roundup
8.58—Thought For Today
9.00—CBC National News—CBC
9.11—Preview Commentary—CBC
9.15—Assignment
9.20—Notes and Music
10.00—News and Weather
10.05—Notes and Music
10.25—Sunlight Eye
10.30—Notes and Music
11.00—News and Weather
11.05—Notes and Music
11.45—Bulletin Board
11.50—Notes and Music
11.55—Atlantic News Roundup
12.00—Weather
12.05—Town and Country Time
12.30—News and Weather
12.45—Town and Country Time
1.00—News and Weather
1.05—Story To Remember
1.15—Gordie Tapp Show
1.45—Town and Country Time
2.00—News and Weather
2.15—National School B'd'c'st CBC
2.45—Mostly Music
3.00—News Headlines and Weather
3.03—Trans-Canada Matinee—CBC
3.30—Mostly Music
4.00—News Headlines and Weather
4.03—Canadian Roundup—CBC
4.10—Tops In Pops
5.00—News and Weather
5.05—The Outports
5.25—Marine Weather
5.28—The Outports
6.00—News and Weather
6.15—On Parliament Hill—CBC
6.20—Todays Editorial—CBC
6.25—Sports Parade
6.30—Business Barometer—CBC
6.35—Tonight's Music
7.00—Back to the Bible
7.30—News and Weather
7.45—Tonight's Music
8.58—Headlines and Weather
9.00—1967 And All That CBC
9.45—In Canada This Week CBC
10.00—CBC News
10.15—Today's Editorial and This Week at the UN
10.30—Music Scene Montreal CBC
11:20—Record Album
11:15—For Consumers—CBC
11.00—News and Regional Weather
11.05—Starlight Serenade
11.30—News and Maritime Weather
11.35—Starlight Serenade Soort—CBC
12.00—CBC News Weather and Sports
12.15—CBC News and Music—CBC

CBA RADIO

FRIDAY

6:00—The Morning Show, Part 1
7:00—The Morning Show, Part 1 (Cont'd)
8:00—CBC News and Inland Wx.
7.46—Morning Roundup
7.56—Sports Capsule and Scoreboard
8.00—News
8.11—Weather
8.16—Morning Roundup
8.45—Weather
8:15—Maritime Sportscast
8:21—The Morning Show, Part 2
8:35—Max Ferguson Show
9:00—CBC News
9:10—Commentary
9:15—Assignment
9:21—A.M. Chronicle
10:45—Playroom
11:00—CBC News
11:05—Joan Marshall
11:15—For Consumers
11.20—Recort Album
11:30—The Archers
11:45—Music On The Heather
11:55—Assignment
12:00—Jamboree Junction
12:15—Tommy Hunter and Pals
12:30—Maritime Farm Broadcast
1:00—CBC News and Weather
1:15—Gordie Tapp Show
1:45—Time Out For Melody
1:59—D.O. Time Signal
2:00—Time Out For Melody
2:15—National School Broadcast
2.45—World Figure Skating Ch'ship Reports
3:00—CBC News
3:03—Trans-Canada Matinee
3:30—Trans-Canada Matinee
4:00—CBC News
4:03—Canadian Roundup
4:10—Music In The Air
4:15—Music In The Air
4:30—Assignment
4:35—Music In The Air
5:00—Mar. Fish Broadcast
5.20—CBC Notebook
5:35—Assignment
5:45—Tempo and Notebook
6:00—CBC News
6:15—On Parliament Hill
6:20—Today's Editorial
6:25—Inland Weather and Sports Scores
6:30—Business Barometer
6:35—Who Will Come With Me
6:50—Rod and Charles
7:05—Music In The Evening
8:00—1967 And All that (Part 1)
9:45—In Canada This Week
10:00—CBC National News
10:15—Today's Editorial
10.30—Music Scene Prairies
11:00—Bill of Fare
"An Evening With Ian Wallace"
12:00—CBC News
12:03—Sport Scores, Inland and Marine Weather
12:15—Music In The Night

Harbors Board Acquires Land

OTTAWA (CP)—The National Harbors Board has acquired two parcels of land in the Point Pleasant Park area at Halifax for future port facilities.

The board said the land is at the rear of the seaward defence base and negotiations were being carried on with the defnc department to release the land for commercial port development.

The board said it contemplated future construction of a new wharf to provide sufficient space for handling of containerized cargo.

Farm Income Sets Record

OTTAWA (Special) — Prince Edward Island farmers had their best year on record in terms of farm cash receipts, the Dominion Bureau of Statistics has reported.

For 1965 the preliminary estimate of P.E.I. farm cash receipts is $41,095,000 compared with $32,723,000 in 1964 and $25,764,000 in 1964.

Higher returns from the sale of potatoes were one of the chief factors cited in the P.E.I. increase.

BREADALBANE

Mrs. William Graham who underwent surgery at the Prince Edward Island Hospital is progressing favorably and is expected to return home this week.

At recent ice sports in Hunter River, the following from Breadalbane received ribbons: 1st, red ribbon, Marion MacDonald; 2. blue ribbon, David Snowie and Todd MacKay; 3. white ribbons, Arthur Nicholson, Karen MacDonald, Judy Barlowe and Marlene Snowie.

At the Crapaud Carnival on Feb. 7, Karen MacDonald also won first prize for her costume "Valentine Princess" in girls class age 6-8 years.

LAND NEEDS FOOD

The world used about 40,000,000 metric tons of chemical fertilizer in 1965.

Dogs' Flight Touches Off Speculation

MOSCOW (AP) — There is speculation that the Soviet launching of two dogs into earth orbit is connected with prolonged manned flights in space now in the planning stage. The longer flights could include Soviet efforts to land a man on the moon.

If the two dogs, Veterok and Ugolyok, stay alfoft for an extended period, this may provide essential data for longer manned flights, such as Soviet attempts to build a station in space.

The announcement when the dogs were launched Tuesday in a Cosmos satellite, the 110th in the Cosmos series, said the purpose of the flight is "to conduct biological studies."

A later brief dispatch from Tass news agency said these studies will be connected with more sophisticated manned flights. Biological studies "will precede every new important step of man in space."

These are the first dogs launched into space by the Russians in nearly five years. Several dogs were sent into orbit before Yuri Gagarin made the first manned space flight in April, 1961.

Another possibility of the new flight is to test the effects of the Van Allen radiation belts high over the earth.

Moscow radio quoted scientist V. G. Kondratenko as saying this was the first time an orbit had been calculated so that a satellite would pass through a zone of radiation.

Dump Hidden For Arrival Of Royalty

TORTOLA, Virgin Islands (Reuters)—Tortola was done up in gay decorations that even covered the town's garbage dump when the Queen and Prince Philip arrived Wednesday for a one-day visit.

The royal couple arrived in brilliant sunshine, stepping from the royal yacht Britannia, which is taking them on their Caribbean tour.

Only a handful of persons were able to reach the remote west end jetty to watch the arrival, but they gave the Queen a tremendous welcome.

To hide Tortola's garbage dump, which flanks the road from west end jetty, a great screen of palm fronds was woven into a thick fence.

SEEK MORE HYDRO

Gross energy demand from Ontario Hydro in 1965 was 43,600,000,000 kilowatt-hours.

CONTRACT BRIDGE

By B. JAY BECKER

TEST YOUR PLAY

1. You are declarer with the West hand at Three Notrump and North leads the jack of hearts. How would you play the hand?

	♠ 7 4 ♥ K 7 5 ♦ J 9 6 4 2 ♣ K 8 3	
♠ A K J 6 3 ♥ A Q 2 ♦ K 10 ♣ A 5 4	N W E S	

2. You are declarer with the West hand at Four Hearts. North leads the jack of clubs. How would you play the hand?

	♠ Q 5 3 ♥ A J 8 6 2 ♦ A Q ♣ K Q 7	
♠ J 7 4 2 ♥ K Q 10 4 ♦ 10 8 3 ♣ A 4	N W E S	

1. To make sure of the contract, win the heart lead in dummy and play the king of diamonds. Assume that either opponent takes it with the ace and returns a spade, a heart or a club. Win the return in dummy and play the ten of diamonds. Assume that the ten loses to the queen, in which event you become certain of at least nine tricks.

It does not actually matter whether the defenders refuse to win the king or ten of diamonds, or both. In each of these cases you can insure winning at least two diamond tricks by persisting with the suit, even if it becomes necessary to use up an entry to your hand in order to establish the second diamond trick.

Note that it would be unsafe to win the opening lead with the king of hearts in order to play a spade or a diamond. Under some conditions, particularly where South had five spades to the queen, you would shortly find yourself up against a dead end. The only sure way of making the contract is by leading diamonds from dummy right away.

2. The possible losers are three spades and a diamond. The best way of playing the hand is to win the club with the ace and, assuming the likely 2 - 2 or 3 - 1 break, draw as many trumps as necessary. Then cash the K - Q of clubs, discarding a diamond from dummy, and lead the A - Q of diamonds.

This forces the defender with the king of diamonds either to lead a spade, thus assuring the loss of only two spade tricks, or else to concede a ruff - discard.

The diamond finesse is deliberately avoided because of the danger that it might lose, in which case a diamond return could result in the loss of three spade tricks and the contract.

Of course, if the trumps are divided 4 - 0, this method of play and chief reliance would be placed on the diamond finesse. But with trumps divided normally, the suggested method of paly is 100 per cent sure to win.

RIPLEY'S BELIEVE IT OR NOT

DAILY CROSSWORD

ACROSS

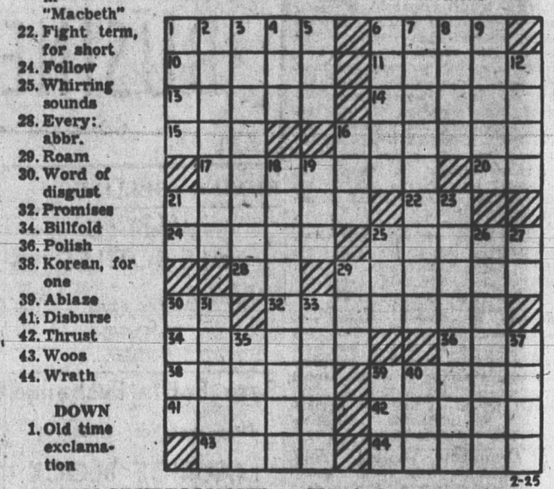
1. Tell's target
6. N. T. book
10. Enticed
11. Units of illumination
13. Mountain formation
14. Bucolic
15. Pose
16. External world, philosophically
17. Annoying
20. Follows train, don, assign, etc.
21. Character in "Macbeth"
22. Fight term, for short
24. Follow
25. Whirring sounds
28. Every: abbr.
29. Roam
30. Word of disgust
32. Promises
34. Billfold
36. Polish
38. Korean, for one
39. Ablaze
41. Disburse
42. Thrust
43. Woos
44. Wrath

DOWN

1. Old time exclamation
2. Early settler in New England
3. Subterfuge
4. Permit
5. Dutch commune
6. Article with strings
7. One-time Chinese capital
8. Ripped
9. "The boards"
12. Astringent fruit
16. Greek island
18. Water board
19. The object of 43 across, perhaps
21. Exist
23. Commanding
25. Not good
26. Rise again
27. Relative of jr.
29. Moist
30. Tenpounders boated off Hawaii
31. Hornets
33. Furnishes temporarily
35. Place
37. Beverage
39. Wing
40. Merriment

B	A	S	A	L	■	C	H	E	L	A	
A	M	P	L	E	■	A	A	R	O	N	
S	U	R	E	■	E	N	S	I	G	N	
F	R	E	■	O	D	D	■	N	E	F	
■	■	A	L	L	A	Y	S	■	■	■	
R	E	D	E	E	M	■	H	A	T	E	
O	V	E	N	S	■	S	I	R	E	N	
B	A	R	D	■	D	E	F	I	N	E	
■	■	■	S	H	O	R	T	S	■	■	
A	S	S	■	A	L	B	■	T	O	A	
R	E	C	U	L	L	■	L	A	N	D	
A	T	O	L	L	■	C	I	T	E	D	
R	A	T	E	S	■	P	E	E	R	S	

Yesterday's Answer



2-25

DAILY CRYPTOQUOTE — Here's how to work it:

A X Y D L B A A X E
is L O N G F E L L O W

One letter simply stands for another. In this sample A is used for the three L's, X for the two O's, etc. Single letters, apostrophies, the length and formation of the words are all hints. Each day the code letters are different.

A Cryptogram Quotation

UAO IDYMZ TUEYUOZ IPUA EZES ELZ SEF OLZ IPUA EUDS.—AOYJOYU

Yesterday's Cryptoquote: PEOPLE GENERALLY QUARREL BECAUSE THEY CANNOT ARGUE.—CHESTERTON

(© 1966, King Features Syndicate, Inc.)

OUR BOARDING HOUSE MAJOR HOOPLE

GRANDMA MICKEY MOUSE

ETTA KETT

SECRET AGENT X-9

HENRY

THE LONE RANGER

NUBBIN

JOE PALOOKA

L'IL ABNER

MUGGS & SKEETER