Squabble Over Ownership Obscures Oil Work At Sea

By KEN SMITH
Canadian Press Business Editor

TORONTO (CP) — The political squabble over ownership of off-shore petroleum rights is obscuring work going on to try to find new wealth under the oceans.

Exploration permits have been issued by the federal government covering about 160,000,000 acres—90,000,000 in the Atlantic, 55,000,0 in Hudson Bay and the rest off the west coast and in northern waters.

Most of the major oil companies are involved, but Shell Canada Ltd. is one of the busiest, working for the third year on 13,000,000 acres off the west coast of Vancouver Island and for the second year on about 22,000,000 acres off Nova Scotia.

DRILL SOON

Most of the actual exploration now underway is limited to seismic work to study the formation of the ocean floors, but Shell already has announced plans to begin drilling on its west coast site next year.

Oil companies are not anxious to give figures on the costsof their programs, but one industry spokesman says it is running "conservatively into a good many millions."

At stake—and at stake in the dispute between Ottawa and the provinces over ownership of the off-shore rights—could be hundreds of millions of dollars worth of oil and gas.

Federal Resources Minister Laing has estimated that sedimentary basins off Canada's coasts could be three or four times as large as Alberta's rich oil fields.

The federal government has asked the Supreme Court of Canada to rule on who owns the rights, although several provinces are demanding the question be decided at the federal-provincial conference opening July 19.

"After all,' says one industry spokesman, "it doesn't matter to a company whether it pays a provincial government or the federal government for exploration rights.

"We have no axe to grind in this, it's just a question of the governments agreeing."

The spokesman says the dispute has not delayed any exploration programs, although another official suggests it has been costing some companies money since they have paid fees to both Ottawa and the provinces.

"They'll get the fees back from one after the question of ownership is resolved, but meanwhile that money could be used in getting other exploration rights or even just earning interest," he says.

EXPLORE AT SEA

The seismic exploration is carried on by specially equipped vessels, working as much as 300 miles offshore and in water ranging from 100 to 600 feet deep.

Electronic equipment aboard the vessels, used to record information about the undersea geological formations, can cost upwards of $500,000.

For the actual exploration, a vessel fires charges of about 25 pounds of dynamite just under the ocean surface. The blast sends out shock waves that penetrate rock formations, reflecting some waves back to surface where they are picked up and recorded by the sensitive electronic gear.

Since the waves take different times to travel through different formations, scientists can actually assess where a potential oil-bearing rock formation is. To confirm the presence of oil, of course, drilling is necessary.

STUDENTS FOR CANADA

OTTAWA (CP)—Twenty senior civil servants from 12 countries in Africa, Asia and the West Indies have enrolled for a 12-week public administration course at Carleton University. The students will be in Canada for 16 weeks for studies and observation of Canadian government departments under the auspices of Canada's external aid department.

CONTRACT BRIDGE

By B. JAY BECKER

East dealer.
Neither side vulnerable.

NORTH
♠ K 7 4 3 2
♥ A 10 7 6 2
♦ —
♣ A 7 4

WEST
♠ 10 9 5
♥ 5
♦ 10 6
♣ J 10 9 8 5 3 2

EAST
♠ —
♥ K Q J 9 8 4 3
♦ K Q J 7 5 2
♣ —

SOUTH
♠ A Q J 8 6
♥ —
♦ A 9 8 4 3
♣ K Q 6

The bidding:

East	South	West	North
1 ♥	Dble	2 ♣	3 ♣
3 ♦	3 ♠	Pass	4 ♦
Pass	4 ♠	Pass	5 ♥
Pass	6 ♠	Pass	7 ♠

Opening lead—jack of clubs.

A hand reported by Jack Kelly, Irish international star, in the British Bridge Magazine is of prime interest because of its unusual character.

South is in seven spades and West leads a club. When East discards a heart or a diamond on the opening lead, it is not difficult for South to realize that East was dealt thirteen red ones. However, it is still somewhat difficult to work out the mechanics of making the contract, and anyone who enjoys problems of this sort is welcome to the job.

An ordinary crossruff will fail because communication difficulties arise that are impossible to overcome. The method necessary is an unusual squeeze against East, and the proper plays, suggested by East's freak distribution, are really not hard to execute.

Declarer wins the club in his hand, cashes the Q-J of spades, and next plays two more clubs, ending in dummy. When he then leads the king of spades, this is the position:

North
♠ K 7 4
♥ A 10 7 6 2

West
Immaterial

East
♥ K Q J 9
♦ K Q J 7

South
♠ A 8 6
♦ A 9 8 4 3

East is caught in a squeeze. If he discards a heart, declarer stays in dummy, cashing the ace of hearts, ruffing a heart, ruffing a diamond, and then ruffing another heart to make dummy supreme.

If East discards a diamond instead, South overtakes the spade king with the ace, cashes the ace of diamonds, ruffs a diamond, ruffs a heart, and then ruffs another diamond, thus establishing his own hand to make the rest of the tricks.

East is at the mercy of declarer, who uses the king of spades as a two-way prong to overcome East regardless of what he elects to do.

ON THE AIR

SATURDAY PROGRAMS

CFCY-TV

2.30 p.m.—Musicale
3.00 p.m.—Baseball Game of the Week
5.15 p.m.—TBA
5.30 p.m.—Bugs Bunny
6.00 p.m.—Forest Rangers
6.30 p.m.—Countrytime
7.01 p.m.—CFCY TV News
7.16 p.m.—Fisherman's Log
7.30 p.m.—Let's Sing Out
8.00 p.m.—Beverly Hillbillies
8.30 p.m.—Wagon Train
9.30 p.m.—Great Movies
Please Don't Pick The Dasies
11.30 p.m.—Juliette
12.00 a.m.—CBC TV News
12.08 a.m.—Local Weather
12.10 a.m.—Route 66

CKCW-TV

1.55 p.m.—Station Sign On
2.00 p.m.—Cartoon Capers
3.00 p.m.—Baseball
5.15 p.m.—Cartoon Capers
5.30 p.m.—Bugs Bunny
6.00 p.m.—Forest Rangers
6.30 p.m.—News, Weather and Sports
6.45 p.m.—London Line
7.00 p.m.—No Time For Sergeants
7.30 p.m.—My Favourite Martian
8.00 p.m.—Beverly Hillbillies
8.30 p.m.—Let's Sing Out
9.00 p.m.—Seahunt
9.30 p.m.—Great Movies
Please Don't Eat the Daisies
11.30 p.m.—Juliette
12.00 p.m.—CBC TV News
12.10 a.m.—Lionel Television News
12.15 a.m.—The Late Show
Revolt of the Tarters

SUNDAY PROGRAMS

CFCY-TV

1.00 p.m.—Musicale
Soccer
3.00 p.m.—World of Sport
4.00 p.m.—World of Sport
Can. Track and Field Championship
5.00 p.m.—Time for Adventure
5.57 p.m.—CBC TV News
6.00 p.m.—Country Calendar
6.30 p.m.—20-20
7.00 p.m.—All Star Theatre
7.30 p.m.—Ripcord
8.00 p.m.—Cine Club
8.30 p.m.—Patty Duke
9.00 p.m.—Ed Sullivan Show
10.00 p.m.—Bonanza
11.00 p.m.—The Human Camera
12.00 p.m.—CBC TV News
12.08 a.m.—Local Weather and Sport Scores
12.10 a.m.—Sign Off

CKCW-TV

2.27 p.m.—Station Sign On
3.00 p.m.—European Cup Soccer
4.00 p.m.—Canadian Track and Field Champs
5.00 p.m.—Time For Adventure
5.57 p.m.—CBC TV News
6.00 p.m.—Country Calendar
6.30 p.m.—Metro Theatre
On the Riviera
2.30 p.m.—Comment and Conviction
8.00 p.m.—Cine Club
8.30 p.m.—Patty Duke
9.00 p.m.—Ed Sullivan Show
10.00 p.m.—Bonanza
11.00 p.m.—The Human Camera
12.00 p.m.—CBC TV News
12.10 a.m.—Lionel Television News
12.15 a.m.—Station Sign Off

CFCY

SATURDAY

6.30—News and Weather
6.35—Morning Roundup
6.45—Island Wr., Mar. Temp.
6.46—Morning Roundup
6.55—News and Weather
7.00—Hebrew Christian Hour
7:15—Morning Roundup
7:10—News and Weather
7:35—Farm Report
7:41—Morning Roundup
7:45—Island Wr., Mar. Temp.
7:46—Morning Roundup
7:56—Sports Capsule and Scoreboard
8:01—News
8:11—Weather
8:16—Morning Roundup
8.45—Weather
8:50—Atlantic News Roundup
9:00—News and From Our Corr.—CBC
9:10—Keyboard Melodies
9:25—Notes and Music
10.00—News and Weather
10.05—Notes and Music
11:00—News and Weather
11:05—Notes and Music
11.30—Montague Entertains
11.40—Notes and Music
11:55—Atlantic News Roundup
12:00—Weather
12.05—The Band Parade
12:45—Mostly Music
1:00—News and Weather
1:05—Mostly Music
1.15—In Canada This Week CBC
1.30—Checkpoint
2:00—News and Weather
2:05—Tops in Pops
3:00—News and Weather
3:05—Tops In Pops
4:00—News and Weather
4:05—Tops In Pops
5:00—News and Weather
5:05—The Outports
5:25:20—Marine Weather
5:28—The Outports
6:00—News and Weather
6:15—Report From Parliament Hill
6:25—Sports Parade
6:35—Waltztime
7:00—Back to the Bible
7:30—News and Weather
7:45—Saturday Night Hoedown
8:58—News Headlines and Weather
9.00—Saturday Night Hoedown
9.30—Bobby Hill Show
10:00—CBC National News
10.05—The Hit Parade
10.30—Starlight Serenade
11.00—News and Regional Weather
11.05—Starlight Serenade
11:30—News and Weather
11.35—Starlight Serenade
12:00—CBC News. Maritime Weather

CBA

SATURDAY

6.00—Music On The Menu
7.00—Music On The Menu
7:30—Music On The Menu
8.00—CBC News & Inland Weather
8.15—Maritime Sportscast and Sports Scene
8.45—Songs Around The World
9.00—CBC News and From Our Own Correspondent
9,10—Music For Saturday
10.00—Matinee Highlights
10.30—Hobby Club
11:30—Bandstand
12:00—Current and Choice
12.30—Country Capers
Pgm Preview
1.00—CBC News and Weather
1.15—In Canada This Week
1.30—Encore
1.59—D.O. Time Signal
2.03—Off The Record
2.15—Woods and Co.
2:30—Top of The Pops
3:00—Opera Time
4:30—CBC News
4:33—Saturday Sport
7.00—CBC News
7.05—Inland and Marine Weather
7.15—Sportsman's Almanac
7.30—On The Move
8:00—Now I Ask You
8:30—Max Ferguson
9.00—Blye Line
9:30—Bobby Hill
10:00—CBC National News
10:10—Best of Dixie
10:30—Hoopdeedo
11:00—Warner's Wax Works
12:00—CBC News
12.03—Sports Scores, Inland and Marine Weather
Sports Scores—CBC
12.15—Dance Date

CFCY

SUNDAY

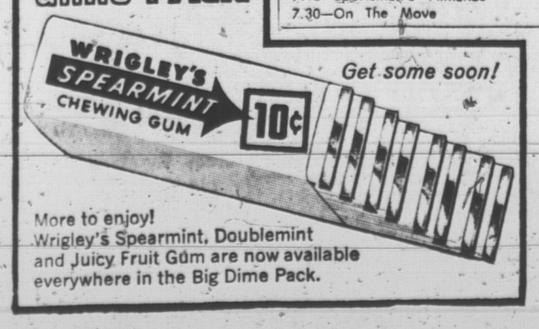
7.30—News & Weather
7.40—Sacred Heart Program
7.55—Piano Interlude
8.00—La Bonne Nouvelle
8.30—Radio Bible Class
9.00—News & Weather
9.10—Sunday School By Radio
9.30—Bible Institute Program
10.00—Sunday Morning Magazine—CBC
10.30—Inland Weather and Maritime Gardener—CBC
10.45—Neighbourly News—CBC
11.00—Local Church Services
12.10—News —and Regional Weather
12.15—Looking Through The Papers CBC
12.30—Old Fashioned Revival Hour
1.00—News & Weather
1.15—Tell Us A Story
1.30—Voice of Prophecy
2.00—CBC News
2.03—Capital Report
2.30—Music By Mantovani
3.00—Where The Bible Speaks
3.30—Peoples Gospel Hour
4.00—CBC News
4.03—Hebrew Christian Hour
4.18—Classical Piano
4.30—Hour of Decision
5.00—National Back to the Bible Hour
6.00—News, Inland & Marine Weather
615—Showers of Blessing
6.30—Canadian Mood
7.30—Family Bible Hour
8.00—CBC Sunday Night
10.00—CBC National News
10.10—Weekend Review & Our Special Speaker
10.30—CBC Strings
11.30—News and Regional Weather
11.35—Starlight Serenade
12.00—CBC News, weather and Sports

CBA RADIO

SUNDAY

7.00—CBC News
7.03—Inland and Marine Weather and Music for Sunday
8.00—CBC News
8.15—Music For Sunday
8.45—World Church News
9.00—CBC News
9.05—Postmark U.K.
9.30—Inland Weather, and Maritime Gardener
9.45—Neighborly News
10:00—Sunday Morning Mag.
10:30—CBC Halifax Strings
11:00—CBC News
11:03—Inland and Marine Weather
11:15—Looking Through The Papers
11:30—Keyboard and Strings
12:00—CBC Metronome
1:00—BBC News and Commentary
1:15—Opinion and Inland Weather
1:30—Pratley At The Movies
1:59—D.O. Time Signal
2.00—CBC News
2:03—Capital Report
2:00—CBC News
2:30—Vancouver Chamber Orch.
3:30—Church Of The Air
4:00—CBC News
4:03—Critically Speaking
4:30—CBC Strings
5:00—Canadian Mood
6:00—CBC News, Weather and Sports Scores
6:15—Across Canada and Political Personality
6:30—Carl Tapscott Singers
7.00—Music Diary
7.30—Music In Canada
8:00—Intro To Sunday Nite
8:20—W. B. Yeats
10:00—CBC National News
10:10—Weekend Review
10:30—Intro To Sunday Night
10.35—MacMillan Lectures
11:00—Chamber Music of Schumann
12:00—CBC News
12:03—Sports Scores, Inland and Marine Weather
12:15—Music In The Night

AT LAST WRIGLEY'S SPEARMINT IS IN THE MODERN dime PACK



Get some soon!

More to enjoy!
Wrigley's Spearmint, Doublemint and Juicy Fruit Gum are now available everywhere in the Big Dime Pack.

RIPLEY'S BELIEVE IT OR NOT

DAILY CROSSWORD

ACROSS
1. Barbecue rods
6. Lures
11. Boundary
12. Mohammedan god
13. Higher
14. Medicinal ointment
15. Cebine monkey
16. Anger
18. Pers. weight
19. Hectoliter: abbr.
20. Twist
22. Rubidium: sym.
23. Indication
24. Last of the Stuart monarchs
26. Incites
28. Top of a wave
29. Proffer
30. Apple center
31. Land measure
32. Covered with pelite
34. Left-hand page
36. Millpond
38. Strange
39. Number
40. Variety of willow
42. Pitchers with lids
44. Adult female
45. Fabric
46. Cuts
47. Doctrine

DOWN
1. Weather
2. Fig tree: India
3. Body of Kaffir warriors
4. Bind
5. Cords
6. More inferior, as metals
7. Cotton state: abbr.
8. Troubles
9. Inns
10. Frozen dessert
17. Flowed
20. Encircles
21. Boy's nickname
23. Star
25. Genealogical designation
26. Darkens
27. Sun shade
28. Most frigid
30. Bounder
33. Wind instruments
34. Border
35. Start
37. "La Boheme" heroine
39. Coast bird
41. Consume
43. Tiny

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

Yesterday's Answer

1	2	3	4	5	■	6	7	8	9	10
11					■	12				
13					■	14				
15			■	16	17		■	18		
19		■	20				21	■	22	
■	■	23				■	24	25		
26	27				■	28				
29					30				■	■
31		■	32	33				■	34	35
36		37	■	38			■	39		
40			41		■	42	43			
44					■	45				
46					■	47				

7-3

DAILY CRYPTOQUOTE — Here's how to work it:

A X Y D L B A A X R
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, apostrophes, the length and formation of the words are all hints. Each day the code letters are different.

A Cryptogram Quotation

P N I H Y Q P M F X V H Y X I M L N G X K V H G K H A X P N I H Y Q P M O H P X I M L N M Z Y P X X P D. — C K C Y Z C P P G

Yesterday's Cryptoquote: HAPPINESS CAN ONLY BE FELT IF YOU DON'T SET ANY CONDITION.—RUBENSTEIN

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OUR BOARDING HOUSE MAJOR HOOPLE

GRANDMA

MICKEY MOUSE

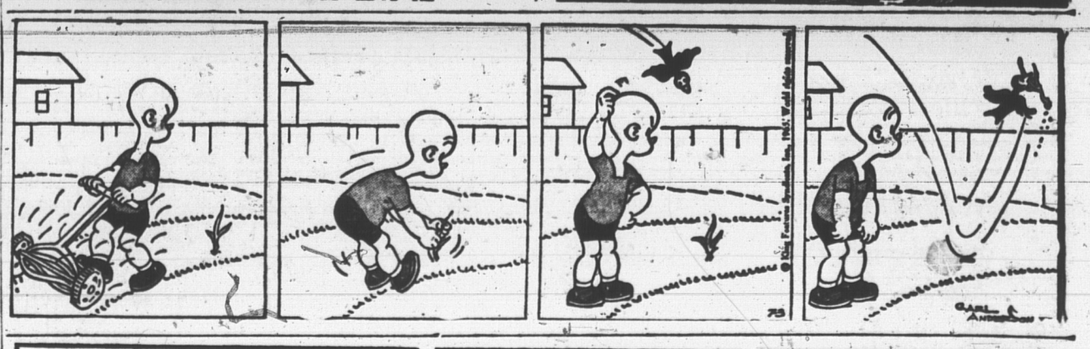
NUBBIN

SECRET AGENT X-9

ETTA KETT

THE LONE RANGER

HENRY



JOE PALOOKA

MUGGS & SKEETER

L'IL ABNER