# LIFE FROM WHICH OIL EVOLVED **ONCE INHABITED LARGE INLAND SEA**

Which Covered What is Holt County and O'Neill Area, Millions of Years Before the Advent of Man.

Fossil Remains of Sea and Plant Life Found In This Part of Nebraska, Gives Evidence that Oil is Here.

Ray E. Colton, D. Sc., Oil and Gas plainly shown by the minute mar-Science Writer.

NOTE

In another article of this series, well drilling for oil. other newspaper, is prohibited.

RAY E. COLTON WHAT IS OIL?

Until six months ago, the true origin of crude oil was not known, but recent laboratory and field scientific research work on the part of the staffs of major oil companies coupled with findings of the American Petroleum Institute, have clarified this mystery, which has existed ever since the ancient Persians and Greeks discovered the "dirt that burns" as they termed it. The term petroleum as applied to crude oil is derived from the Greek words Petro meaning petrol, and Oleum, meaning rock, in other words "rock oil".

The theory held by some laymen, namely; that oil was evolved from the remains of giant dinosaurs "terrible lizards", which roamed Nebraska and elsewhere during the Triassic-Jurassic periods of the major Mesozoic geologic era, ing the oil from its source beds or from colossal whales and other be able to hold the matter, they mammals which swam the long must be porous as well as permevanished seas of Paleozoic geo- able, and such reservoirs must be logic times, about three hundred encassed in what is termed geomillion years ago, is decidedly un- logicly as impermeable strata, that likely. In the first place there was is rocks having the physical atnot sufficient of these forms of traction of perosity, such as limereptilian and mammal life on the stones, sandstones and shales. This earth at any time to cause any is necessary, in order that the atlarge accumulation of oil, and sec- tracted mass may have freedom of ondly, as it has been established movement within the strata, but by field work, that fossil remains have no escape from it. From what of these forms of prehistoric life can be determined by surface studare usually found in terrestrial or ies made in Holt County and area land formations, it certainly ap- radiating from O'Neill, this favpears that this theory would be orable condition no doubt exists blasted, as these formations are beneath this part of Nebraska. unsuitable for any commercial ac- GEOPHYSICAL TEST IS PLANcumulation of crude oil.

The findings of science in re- ING COUNTIES spect to the true origin of crude

oil, are as follows:

into the recent findings as to oil's true origin.

The organic theories as to oil's origin, have recently been accept- flection of echoes coming from beed as final by the field petroleum industry of the world.

These theories fall under the three following classes:

1-Origin of oil from marine veg-

etable material.

imal material.

evolvement from organisims of test of this type was responsible activity.

Exclusive to the Frontier by | marine and vegetable matter is ine diatoms, seaweed, and other sea life, which appear during test

the writer pointed out the visible During the drilling of the Pawevidence which appears in Holt nee Royalty Company's R. H. Boice and adjoining counties, which No. 1, located three miles west of makes the potential recovery of Falls City, Nebraska, and which crude oil under proper drilling op- is now producing commercial the present administration to reerations, possible in this part of amounts of crude oil, which are Nebraska. In this article, informa- taken to the refinery of the Searles tion rarely revealed to the reading Refining Corporation at Omaha, in the functions and cost of govpublic is presented for your en- numerous fossil remains of martertainment and education. Facts ine shell life, appeared as further given here are based on actual evidence that marine life must field research of major oil produc- have caused the formation of the ing companies, and from findings crude oil in prehistoric geologic of the American Petroleum Insti- times. Until new evidence, having tute. Republishing of any of the concrete basis is presented, the wording of this article by any marine-vegetable matter as causing oil, will continue to be accepted by the petroleum industry. HOW OIL FORMED

Oil formed first from the dying marine and marine veietable matter into what are termed as "source beds". Finally, after lying dormant for countless centuries, during which time the organisims of the dead marine and plant life fermented, the petroliferous mass, i. e. crude oil, began to migrate to what are termed as "adjacent porous" rocks. The movement which determined by recent field work State and County offices and Recin producing oil fields, was prin- ommend them to the voters as caciply one of hydrostatic pressure of to the American theory of Govern- Hagar-Weidoeft concealed gases, however, such forces as earth movements and induration and dehydration of the oil mass, could also have been con-

ROCKS MUST BE POROUS In order that the rocks attract-

NED FOR HOLT AND ADJOIN-

Information recently reaching the writer, who is in close touch The inorganic theory of oil's with major and independent oil operators in Tulsa, Oklahoma This theory is based on the City, Dallas, Houston and other fact that chemical reactions re- oil centers, is to the effect, that sulting from gases buried deep in several of the operators will take the earth, which, when cooled at advantage of South Dakota's rethe surface, result in petroleum, cent request that exploitation for especially the action of deep-seated oil search be started west of the water upon deep-buried carbides Missouri River, and that these opof iron and nickle. The gaseous erators will seek acreage in Boyd emanations from volcanoes ap- and Holt counties, Nebraska for a pears to bear out this theory, but field seismograph test using the the geological evidence of com- gravitational system of geophysics. mercial oil occurences fails to sup- The seismograph is a very delicate port this theory. So we will elimin- scientific instrument, formerly usate this theory, which while hav- used for the purpose of registering ing some merit, yet fails to fit earthquakes. It is now used along with succesive charges of dynamite, which create an artificial earthquake, and register the reneath the earth, which in turn are carried to a revolving cylinder located inside of the seismograph. Thus the correct position of underlying strata which may contain oil "pools" are located, and acreage 2-Origin of oil from marine an- | believed suitable for test well drilling purposes, are selected from the fore. 3-The combination of both mar- area which has registered the best

#### Resolutions Adopted At Republican Convention

the convention.

County, Nebraska, in convention assembled at O'Neill, Nebraska, this 25th day of April, A. D., 1940, with a full realization of the many nation and state today, hereby

adopt the following Resolutions. I. Resolved: that we hold the Republican party to be the party of peace, progress and achieve- January ment; the party best suited to lead February ... the country out of the present mor ass of debt, unemployment and bureaucracy. The only party that has and will protect the country and its constitutional liberties.

II. We condemn the failure of duce the costs and functions of government, as promised, and cal attention to the enormous increase ernment. We direct attention to the historical fact that in our whole history Republican administrations have paid the debt incurred while the Democrats were

III. We condemn the great increase in buleaucracy and in commissions, boards and bureaus created and fostered by the present State and Federal administrations; we condemn the vast centralization of power in Washington and in Lincoln fostered and encouraged by the present democratic ad ministrations; we condemn the vesting of legislative and judicial powers in administrative boards bureaus, commissions and agencies. We advocate a decentralization or government and a return thereof to the people, together with a return of legislative power to the legislature and judicial powers to the Courts.

IV. We endorse the candidacy of all Republican Senatorial and Congressional nominees, together with caused this migration, as has been all of the Republican nominees for pable and economical and devoted ment and we

hearty support. V. We heartly endorse the candidacy of Dwight Griswold for Governor. We direct attention to tributing factors to the migration. the fact that he is a resident of northern Nebraska, thoroughly familiar with the troubles, problems and needs of the entire State and its people, including those engaged in farming and stock raising. His many years experience in the Legislature, together with his business experience, particularly qualify him for this office at this

VI. We recommend our candidate for the United States Senate, Hugh Butler, and heartily commend him to all voters. He has been farmer, laborer and merchant and

VII. We condemn the present primary system and advocate its amendment so that a convention of the party may, prior to the primary, examine the qualifications of the several candidates who aspire for the offices to be filled, and by vote recommend to the party

those most qualified and capable. VIII. We affirm our belief in the American tradition which limits the tenure of the President of the United States to two terms. IX. We invite all citizens who

believe in the American system of free democratic government, administered with honesty, efficiency courtesy and economy, to support the Republican candidates.

Arthur J. Runnels, Frank Nelson, G. E. Moor, H. L. Barita, Ira H. Moss, Julius D. Cronin.

followed by cards at their home on tition. Wednesday evening.

for the location of the producing eastern Nebraska.

Standard Oil Company of California appears to be most interhere in Holt County, as stated be- ribbon in judging hogs.

occurence of oil is closely related instrumental in developing some been found along the Elkhorn Riv- hope to do better next year. to sediments which carry marine of the largest oil fields of Texas, er in Inman township, Holt County,

## The Weather

The weather the past week has serious questions confronting the condition than for several years. P. M.

A comparison between the years 1939 and 1940 is shown below:

1	March	.99	2.50
1	April	1.47	3.26
	The weather chart	for the	past
	week follows:		
ì	Hig	h Low	Prec
	Thursday48	39	
1	77 . 1	38	
	Saturday50	45	.51
)		50	.03
	Monday69	42	

#### Special Music Program **Next Tuesday Evening**

Wednesday .....

A special music program will be presented by St. Mary's and O'Neill High students on Tuesday, May 7, at 8 p. m., in the new high school auditorium, with a new stage and curtains just installed. The admission will be 10 and 25c. The proceeds of this program will be used to help send music contestants from both schools to the National Contest at Kansas City. Following is the program:

Trumpet Trio, Howard Graves, Dorothy Lowery, Dorothy Yocum. "The Golden Trumpets" by Egy-

macher. "Danse Hongroise", by Vocal Solo, tevieve

"Ho Mr. Piper" by Curran. Bass Solo, Philip Yarnall, "Beel-

zebuh" by Cartozzi. cent, Lydia Halva, Marion Olson section of the state. and Jerry Toy. "Country Dance"

by Krenek. "Thoughts of Yesterday" by Clay

French Horn Solo, Roy Lundgran. "Friendship" by Gottwald. In Bud" by Forester and Nightingale has a Lyre of Gold' by Whepley.

Clarinet "Caminando" by Endresen. Combined O'Neill High and St. Mary's High School Bands. March. to all the many problems of each. "Monarch" by Olivadoti and a fondest dreams will be realized. novelty march, "On the Mall" by

Combined Bands and Mixed Chorus, "Onward Ye Peoples" by

Sibelius. pate in the National Regional Contest to be held at Kansas City, Mo., on May 9, 10 and 11. Every number groups is from the National Con- at the City Council Chambers. test list for 1940.

## Vocational Ag. Students Make Good Showing

Wednesday morning, twelve vo-Lincoln.

This was the largest contest ev-Mr. and Mrs. Roy Sauers en- er held in Lincoln, as there were City, Iowa. The meeting started tertained their bridge club at a over 800 boys from 65 schools. All seven o'clock dinner at the Bakery, of the boys had very keen compe- continued until 5 o'clock in the

went sightseeing in Lincoln. They meeting ever held in this city. went through the state capitol oil well near Falls City in south- building and many other places of about 250,000 turkeys in this state.

ested here, and it is the opinion of announced at the close of the ban- dustries of the county and it was the writer that if any test wells are quet Friday evening. In the egg only a few years ago that 5,000 drilled, this company will be the grading contest John Schmidt re- turkeys could not be found in the one which does the drilling. The ceived a ninth place ribbon; the entire county. Those in attendance scouts of this company have been dairy management team, Clifford at the meeting Friday were highvery active in western Nebraska Burival and George Hendricks won ly delighted with the program prethis year, and also in northwestern a sixth place ribbon; Maurice sented and extended their thanks South Dakota. They have also been Grutsch received a second place to the O'Neill Hatchery for mak- Saturday that her aunt, Mrs. Chas.

The boys from this city did very Yes, Oil and natural gas are now good work, considering that this

to Kearney on Monday.

# 4-H Leaders Meet

With the 1940 4-H program well At the republican county con- been very cold with exceedingly under way in Holt county, leaders

ful in cycle projects.

meetings.

#### CARD OF THANKS

We wish to take this means of expressing our thanks to our kind friends and neighbors for their help and sympathy during the ill ness and death of our mother. The Hynes Family.

#### O'Neill Drug Company Opened For Business

The O'Neill Drug Company op ened their doors this morning, ready to take care of the medicinal needs of the people in this section of the state. While we have a new drug store, in name as well as location, it is still owned by Charles E. Stout, who has been engaged in the drug business in this city for over a quarter of a century. He will be assisted in the store by John V. Sullivan, an O'Neill boy who started in the drug business under Mr. Stout a good many years ago and since then has worked in many Saxophone Selo, Robert Schu- of the classiest drug stores in Omaha and Chicago, having been for ten years in the latter city. "Ich Liebe Dich" by Grieg and John will be the manager of the new store and he and Charles will make a team that are bound to go Clarinet Quartette, Keith Vin- places in the drug business in this

Their store has been redecorat-Trombone Solo, Robert Parkins. ed, and its shelves are stocked with goods, of various brands, making one of the most complete stocks that was ever brought to this sec-Vocal Solos, Davene Loy. "Rose tion of the state. If it is supposed to be found in a drug store, you can find it here and their constant Solo, Alma Wallace, aim will be to please. The Frontier extends congratulations to the O'Neill Drug and hope that their

# NOTICE

Bids will be received by the City Every student appearing on this Council for a man to work on the program has qualified to partici- streets. A man only, No team. Bids will be received on or before May 7, 1940, at 8 p. m., and opened at presented by soloists or small the Council meeting on that date,

## Turkey Raisers Meet **Here Last Friday**

About fifty turkey raisers of this county were in O'Neill last cational agriculture students and Friday and attended a meeting at Prof. and Mrs. Mathis left for the the Golden Hotel, sponsored by the Vocational Agriculture contest at O'Neill hatchery, which was addressed by staff members of Dr. Salsbury's Laboratories of Charles at 10 o'clock Friday morning and afternoon. Poultry dealers here The students, when not working, say that it was the most successful

It is estimated that there are interest in the capitol city of our county, so it can readily be seen that the raising of turkeys has The results of the contest were become one of the prominent ining the meeting possible.

ine animal and marine vegetable reports from beneath the surface. believed possible of recovery from was their first year in Vocational Harry Clauson entertained their Mr. and Mrs. Allen were residents The whole system is based on re- beneath this part of Nebraska, and Agriculture. Several schools have bridge club at a dessert luncheon of Holt county many years and The word marine is used as the flection of sound, and it has been seeps and shows which have been in it over ten years. The boys at the home of Mrs. Smith on made frequent trips back to the Edward Quinn left Sunday for fossil remains. Evidence of oil's Kansas, Oklahoma and Illinois. A are influencing factors in coming | C. E. Jones made a business trip Gatz winning low and Mrs. O. M. warm friends around O'Neill, who week here with his parents, Mr. Herre, the traveling prize.

# One of the Real Pioneers Passes Away Thursday

vention held in this city the follow- high winds blowing practically training meetings in home econom- home northwest of this city last ing resolutions were adopted by every day, and some moisture fall- ics clubs will be given by Miss Thursday morning, after an illness ing on Saturday and Sunday, bring- Verna C. Glandt at the Stuart Li- of several years, of cancer, at the We, the duly elected delegates ing the total for April to 3.26. brary on Wednesday, May 8, and in age of 68 years, 2 months and 16 of the Republican party in Holt Small grain is in good condition the assembly room of the court days. The funeral was held last tures here is the picture: In 1932 and most of the farmers are gett- house in O'Neill on Thursday, May Saturday morning from the Cath- the national government yearly exing ready to plant corn, the ground 9. The training meetings will start olic church in this city, Rev. Father penditure totaled four and a half being in a better spring planting at 10:00 A. M. and finish at 3:00 Parr officiating and burial in Cal-All home economics 4-H leaders husband who passed away in Noare invited and they will receive vxember, 1904. Notwithstanding lion with a yearly expenditure of material which will be very help- the condition of the roads, which were made almost impassible by billion a year is the interest bill. This year promises to be one of the heavy rains, the funeral was a the best girls 4-H club years the very large one, practically all of life." county has had and leaders will the people in the northern part of profit by attendance at these the county, braving the muddy roads to come to O'Neill to pay this column last week, rendering tribute to this old pioneer and one paragraph something of a

> 1872, and came to this county with costly commercial job they are her parents in 1878, her family lucky. In the paragraph mentionbeing among the pioneer settlers ed I quoted a doctor of philosophy in the northern part of the county as saying " western civilization is and she grew to womanhood in doomed." The correction, "westthis county. On October 18, 1886, ern civilization" as it is out here she was united in marriage to is not doing badly. Austin Hynes, the ceremony being performed in this city. Nine child-Coulee. Wash.

came to the county. She endured all with abundance of rain when se passed away thirty-six years ago, too much rain. leaving her with a family of nine children, all in their teens. Others would have quailed at the task of raising this family, but not Mrs. Hynes, she kept her family together and brought them up to be good and useful citizens of the community. Shortly after her strenuous life of taking care of the little ones was ended she was attacked with an incurable illness and shortly passed away. A noble mother has passed away and she will be mourned, not only by her immedrate family, but by a host of friends in the county.

## Time About Up For **Taking Of Census**

In a letter received from Mrs. Ina B. Bosse, district supervisor, bureau of the census, Norfolk, Nebr., under date of April 29, she states that the time for completing the census is nearly up, and that as it is the wish of the census bureau to enumerate every one, man, woman and child, anyone who think that he has not been counted, one call. We think that O'Neill and dislikes for our neighbors. has grown considerably in the past ten years and as it is to the best inor think you haven't been, drop a card to Norfolk.

Mr. and Mrs. Orley Straney, of Garden City, Kansas, left for their home Tuesday morning, after visiting here at the home of Mr. and Mrs. Flora Lewis and Mr. and Mrs. Ray Eidenmiller.

Mrs. John Grutsch received word Allen, had passed away that morning at the home of her son-in-law, Mrs. R. R. Smith and Mrs Dr. C. E. Mickel at St. Paul, Minn. this city. Matt's many friends hope Wednesday evening. Mrs. C. J. old home town. Mrs. Allen was Grand Island, to resume his studwill be saddened by her death.

# SOUTHEASTERN Mrs. Catherine Hynes died at her BREEZES

By Romaine Saunders

If you are incrested in the statistical figures of debt and expendivary cemetery, at the side of her ing at nineteen and a half billion. In 1940 the debt stands at 43 bilnineteen and a half billion. One The New Deal's "more abudant

A linotype slug got lost from jumble. Printers have such calam-Catherine Kelly was born at ities overtake their compositions Morristown, N. J., on February 9, daily but if it is not involved in a

If my memory this last day of ren were born to this union, all of April is reliable-and I think it is whom are living and are left to -there was rain practically every mourn the passing of a kind and day during April, 1894. And there affectionate mother and advisor. never was a worse summer in Holt The children are: Mrs. Louis Sulli- county. A soggy, wet day in April van, Pasco, Wash.. John Hynes, of that year a small group of men O'Neill; Dennis Hynes, Atkinson; were at the old E. M. Ward barn Mathew, Austin, Bernard, Mrs. on East Douglas street complain-Pearl Engelgan and William, of ing about the weather. The late O'Neill; Mrs. P. J. Dillon, Grand Joe Hunter prophetically spoke up: "It will be dry enough this sum-Mrs. Hynes was one of the real mer." Came May, June, July- a pioneers of the county, having been summer of furnace heat and witha resident of the county for sixty- ering winds. And on into August two years, in fact all of her life and early autumn and then winter except six years, as she was but and still no moisture since those six years of age when her parents wet days in April. And years after the hardships and vicissitudes of were again disposed to complain the pioneers, but persevered and of the weather. Dan Cronin saidfinally won success. She was a that no one who had seen the remarkable woman. Her husband drought of '94 should kick about

> The sale of a 32-acre ranch in Sheridan County reminds me of a Lincoln citizen who came here after disposing of his ranch in-Thomas county to try his hand at business in the city. He found it more work than profit and has endeavored to buy the ranch back at an advance in price, but the owner declines to sell. Somehow when one has lived out there in the cattle country he finds himself a misfit elsewhere. And ranchers who come into the state capitol look with envy on the magnificent growth of grass at the state house grounds. The dense carpet of deep green spread around our matchless state house is itself a fascinating scene in the fresh beauty of early

A 33-year-old as the keynoter and one under forty as the likely nominee at the G. O. P. National Convention bespeaks for vim and vigor as the republican ranks form for onslaught on the New Deal.

Our primary is not so much a will please drop a card to the dis- system for the selection from the trict office of the census bureau, conglomerate mass the best timber Norfolk, Nebraska, and arrange- for public office, but rather a ments will be made to have some means of expressing personal likes

Mr. and Mrs. Henry Martin and terests of the community to have son, Allen, entertained 16 guests every one enumerated, if, for any at dinner Sunday at their home to reason you haven't been counted, celebrate the birthday of her mother, Mrs. Charles Wrede. Those present were Mrs. P. J. Lansworth and son John of O'Neill; Mr. and Mrs. Clarence Wrede and family, of Opportunity, Nebr.; Mr. and Mrs. W. R. Easton and son Charles of Fremont, Nebr.; and Mr. and Mrs. Earl Wrede and family of O'Neill.

> Matt Ernest, one of the pioneers of this county, suffered a paralytic stroke while in town yesterday afternoon and is quite seriously ill at the home of his daughter-in-law in that he will speedily recover.

Gatz winning high, Mrs. Edward a charming lady and had many ies there after spending the past and Mrs. E. F. Quinn.