BRADFORD, PA., TUESDAY MORNING, AUGUST 17, 1971



J. P. Jones, president of the Pennsylvania Grade Crude Oil Association and chairman of the "Grand Old Man of Oil" Committee, points to the incomment on the tablet marking the 1871 Job Moses Well Site on Seaward Ave. Ext. In the foreground is J. B. (Jake) Randall of Duke Center, "Grand Old Man of Oil."

## Bradford District Oil Association observing its 40th year as field itself is marking its Centennial

#### Here's where oil is usually found



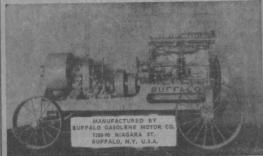
#### DISCOVERY OF OIL IN BRADFORD 1871 -- 1971

An excellent record of endurance and quality

Horizons

GIFT CENTER
Bradford, Pa

The Famous "1923 Buffalo Engine"



Designed by the late Rolend R. Reck of Bradford.

R. R. RECK CO. 80 Oxford St., Bradford, Pa.

Superiority of Pa. Grade

has never been surpassed

## FLANIGAN BROS.

Drilling Contractors Oil & Gas Producers Bradford, Pa.

"Our Best Wishe: to All on this Historic Occas-

#### TO THE BRADFORD OIL INDUSTRY

WE EXTEND CONGRATULATIONS

> ON 100 YEARS OF PROGRESS

RESERVE CONTUMER DISCOUNT CO.

# Congratulations

to the

# **Bradford Oil Industry**

on its

"100 Years of Progress"

We are proud to have been associated with the oil industry during the past 65 years ... and we are looking forward to serving you in the future!



1333 EAST MAIN ST.

BRADFORD, PA

To the Oil

Industry . . .



"Baby...

"You've come a long, long



The Bradford (Pa.) Era, Tuesday, Aug. 17, 1971—3-A



A Great year for a GREAT INDUSTRY Happy 100th Year!

George Gigliotti Building Service



#### **Our Congratulations** and Compliments ...

We are proud to have served generations of people who have helped to make BRADFORD OIL

#### **BROWN'S BOOT SHOPS**



ack in 1906, when The James R. Evans Company first began business in Bradford, we established a hard and fast rule that's never been broken. Today, as then, Evans' knows full well that you . . . the customer . . . are always right.

Call it corny, old-fashioned, even bullheaded. But it's the brand of old-fashioned, even bullheadedness that honestly adds up to a refreshing deal for you. Always has. Always will.

At Evans' you are the only judge. You decide what's right and wrong about us. We watch, and listen, and act accordingly.

So remember. No matter how hectic the world pace becomes. No matter how impersonal things may sometimes seem, Evans' will give you a boost with the old-fashioned proposition that makes you . . . the customer . . . right. Always! Evans' knows it. You know it. What could be more agreeable?





#### HOW HAMLET



## BEST WISHES TO THE OIL INDUSTRY

FROM

TOM and DICK WEAVER MEAT CO.

HUNTINGTON BEACH CALIF.

# **OIL-MEN**

WE HAVE BEEN HAPPY TO SERVE YOU

FREEMAN and FREEMAN

OIL PRODUCERS & DRILLING CONTRACTORS

1068 S. Kendall Ave. Bradford, Pa.

(DRESSER)

1880 - 1971 ....

The oil business was only a few years old in Bradford when Solomon R. Dresser put his inventive genius to work making products to make it easier to get out of the ground — first, oil well packers — and later pipe couplings to help carry the oil to tank and refinery.

As pictured here, a lot of backbreaking work went into the in-stallation of early oil pipelines. As the oil business has grown, so has the Dresser trademark. From

has the Dresser traderials to the dresser traderials a very humble origin in Bradford has sprung one of the nation's leading corporations, with major world-wide facilities for supplying the energy, base materials producing, and general

Bradford is to be congratulated not only for the achievement of this centenary, but particularly that it is looking confidently to the future—planning and building to make an even brighter tomorrow for all its people.

## A SALUTE TO HISTORY AND A PLEDGE TO THE **FUTURE**

ON 100 YEARS OF SERVING THE WORLD WITH THE FINEST CRUDE OIL. WE HAVE BEEN HAPPY TO SERVE THE OIL INDUSTRY

## **BRADFORD PIPE** AND SUPPLY CO.

140 CHESTNUT ST. BRADFORD, PA.

#### **OUR BEST WISHES** TO THE OIL INDUSTRY

ON A CENTURY OF **PROGRESS** 

#### TAYLOR PHOTO SHOP



DRESSER MANUFACTURING DIVISION

# Serving the High Grade Oil Metropolis of the World For 92 Years With Complete Banking Service

## WE SALUTE BRADFORD'S OIL INDUSTRY ON ITS 100th MILESTONE



CHARTERED JULY 25. 1879

RESOURCES JUNE 30, 1971 \$45.826.157



Exterior of building was remodeled as shown above in 1952.

#### PRESIDENTS

Robert F. Borehman	1879-1883
Otto F. Schonblom	1884-1918
Thomas H. Kennedy	1919-1924
Harvey J. Haggerty	1925-1941
Hansel W. Loveland	1941-1955
Hamlin D. Redfield	1955-1957
Robert R. Williams	1958-1966
Harold R. Sloan	1966-1970
William E Basses	1070







BRADFORD NATIONAL BANK BRADFORD, PENNSYLVANIA

MEMBER FEDERAL DEPOSIT INSURANCE CORPORATION

#### **OFFICERS**

#### Directors

#### HOW HAMLET



#### Oil leading mineral found in McKean Co.



Saluting Bradford's Centennial year is a truly proud moment in our history!

MILES-BRADFORD COMPANY, INC.

## G.G. Bauer played major role in oil



CONGRATULATIONS BRADFORD AREA OIL **PRODUCERS** ING BRADFORD for 100 YEARS

SAL'S FOOD MART and SAL'S and SONS

# BRADFORD DISTRICT PENNSYLVANIA OIL PRODUCERS **ASSOCIATION**

FOUNDED IN 1931

Serving a united industry in the fields of:

TECHNICAL RESEARCH - PRACTICAL OPERATION - LEGISLATION - TAXES DATA COMPILATION \_ AFFILIATE REFERENCE INSURANCE - HOSPITALIZATION

#### BRADFORD DISTRICT PRESIDENTIAL HONOR ROLL

A. E. BOOTH R. M. HASKELL C. E. STREETER

P. L. MELVIN C. N. PFOHL JR. L. G. SMITH

H. M. RYDER D. B. TANNER R. S. PRINGLE, JR.

H. A. GRANT A. C. SIMMONS

J. P. JONES J. W. BRYNER D. SCOTT

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A. L. YERDON G. H. DAGGETT J. E. SELDEN

R. J. BRENNAN J. P. HEALY

L. G. LENT F. W. FESENMYER

R. J. PURTLE

V. J. RICHMOND

T. CURTIS

R. A. DIGEL, JR. Q. E. WOOD

E. T. HECK

A. M. VAN ORDEN

E. J. BRYNER

J. H. KINLEY W. M. CLINE

G. S. RHODES S. W. GREGG, JR.







## Minard Run No.1 was deepest well drilled in area

## Well shot: oil spewed

#### Oil Dorado early name for Bfd. as boom began

Boost Bradford Crude

GREETING ... TO THE OIL INDUSTRY ON 100 YEARS OF SERVICE TO THE WORLD

"IF YOU DON'T KNOW INSURANCE KNOW YOUR AGENT"

RAY L. STURM INC.

## Several famous firms refine Penn Grade crude oil

#### **Building honors** Friar who found in Cuba oil spring



Now hear this ...

Our loudest applause and Congratulations to those in the Oil Industry on the

100th Anniversary Of the Discovery of Oil In This Region

## **McCourt Label**

BRADFORD, PA.



## 100th **Birthday Greetings** To Bradford's Oil Industry

We Congratulate the Oilmen and Women in our comm ity who are our friends and neighbors.

#### DAVID N. BROWN & SON

Plumbing & Heating Contractors 133 Mill Street BRADFORD, PA.

## **BIRDWELL began in Bradford!** ... and we're proud to be here still



W. L. "Bill" Kaschube Sales Engineer

Pick a wireline service...BIRDWELL has it! Over 30 in all For qualified people, specialized equipment, professional service...call in BIRDWELL Division, Seismograph Service Corporation, 21 Holley Avenue, Bradford, Pa. 16701 (814) 368-3197

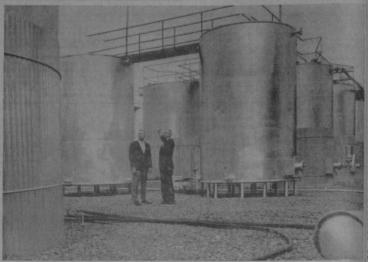


John Chapman Station Manager

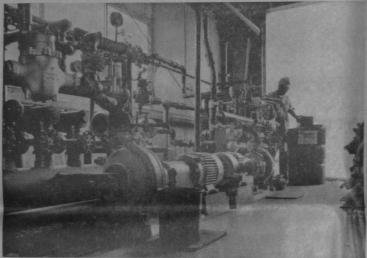
Birdwell Division

Seismograph Service Corporation

OIL AND GAS LOGGING OFFICES IN: Tulsa, Ok., Henderson, Ky., Jackson and Mt. Pleasant, Mich., Bradford, Pa., Wooster and Columbus, O., Charleston and Clarksburg, W. Val., and London, Oil.



POINTING to one of the Maraflood "sing" — chemical storage — tanks on the test project lease of the 45-acre tract at Cyclone along Route 466 is Harian H. Danielson, Braciford District manager for Pennsoil United Inc. With him is Kenneth R. Huddleston, Pennsoil-United Eastern Division manager — exploration and production, Parkersburg, W. Va. Participating in the test are Marafhon Oil Co., Findlay, Ohio; Witco Chemical Corp., and Pennsoil-United as operator, (Era photo by Stewart)



INTERIOR VIEW of the plant housing the physical equipment required to facilitate prepartion of the various chemical components required for the Marafipod "slug." Operator is Frank Shorts. The test on the 46-acce fract at Cyclone, is a project of Marathon Oil Ce., Witco Chemical Corp. and Pennosil-United, function as the operator. (Era photo by Stewart.)

## Maraflood process test is under way at Cyclone

During the first 100 years of the Bradford Oil Field, primary and secondary recovery techniques have been used to bring Bradford crude up to the surface from the Third Sand.

Now, Pennacil United, Marathon Oil Company, and Witco-Kendall are engaged in a point venture tertiary recovery test operation employing Marathon's patented Marafioloo di recovery process. The test site is located along Route 646 in nearly Cy.

In late 1988, according to Kenneth R. Houddleston of Parkersburg. W. V., Pennedi United's Eastern Division manager of oil and gas—expires thos and production, and Harlan H. Danietson, the company's manager here, Pennzull United and Maratino jointly conducte. a small pilot test of the Maraflood process in the Third Sanat Cycline. The test was concluded this gering.

The Pennzoll United executives said: "Results were considered sufficiently significant to justify a 46-acre Maraflood test in an adjacent area at Cyclone starting this March."

Most Promising
Mr. Huddleston observed:
"Of all the tertiary process

Mr. Huddleston observed:
"Of all the tertiary processes
that we have tried or known
about, the Maraflood process is
by far the most promising."

injection wells and 25 producing wells involved in the test area. In current tests here, Pennosil United, the operator, has a 50per cent interest while Marathon and Witco-Kendall each have a 25-per cent share of the

Basically, the Maraflood process encompasses three separate phases, it was pointed out.

Three Phases
Phase One consists of the in
jection of the Marshold "slug"
– a micellar solution of hydrocarbons, petroleum sulfonde,
water and alcohol — into the
oil reservoir. This phase has
been completed at the test aite.
Presently, the second phase
of the process involving the
injection of polymer-hickenod

step has been completed the slug for third phase injection of conven thicken

nal water used in normal "We expect to condary recovery or water response by the year," Mr Hude Year," Mr Hude Era.

He explained that the present in the present in the present in the prices of sulfonate and polymorphisms when the process expensive. However, the process of the three is decreased that the present in the process of the present in t

de waterlood.

expect to be seeing some take by the end of the more favorable economically Mr Huddleston told The Motorists traveling Route at Cyclone are advised of seeling the control of the control of the more favorable economically and the control of the co

t test site by a large sign.

Similar tests are being conducted in Venango County Joint by Quaker State Oil Refining

## TUNA

## Our Modern\* Delivery Fleet





\*Back in the late 1890's . . . (Above)

WHEN we furnished the lumbor, nails, manpower to help build Bradford, the Oil Industry was still an industrial fledgling, too. We are proud of our association with oil producing companies and people through the years, and we are looking forward to Bradford's growth in the years shead.

"70 Mechanic St. for 76 Years" Ph. 368-6156 Bradford, Pa.

## Penn Grade Assn. marks 48th year

It is a coincidence that the Pennsylvania Grade Crude Oil Association, of which Bradfording J.P. (Dick) Jones has been president for many years, is observing its 48th anniversary this

month. It was chartered to encourage by and protect trade and componence in the production, by manufacture, sale and distribution of Pennayivania Grade a Crude Oil and its products." It was the product of the group as set to the group as set

runciado de descripción de la latora ha public litrough advertising of the imperior qualities of Penn Grade crude and products refined from it and to product refined from it and to product refuel the imposition and fraud in the purchase and use of products manufactured exclusively from Pennsylvania Grade Crude ott."

Joint Efforts
The Penn Grade Crude Oil
Association had the function of
uniting producers and refiners
or equal terms with the specific
responsibility to keep motorists
truckers around the nation or
key and, truly informed of the
uncertainty of Penn Grade prod-

The established identifying membership emblem is permit ted only on motor oils made entirely from Pennyivanis Grade Crude, although sold by other than refiners. Distributor or jobbers were licensed by brand to use the Penn Grade emblem.

Advertising Penn Grade's speriority was successful from the start, leading to wider distribution based on wider consumer awareness of the hig standards of Penn Grade process.

In addition to promoting the quality of Penn Grade products the Association has rendered a substantial public service in protecting its members from unfair and illegal competition.

Over the years the Association has also taken steps to assist producers to operate their properties with the goal or achieving maximum recover of crude most efficiently an economically. This program like those aimed at identification, and improvement of Pen Grade oils, was begun in coporation with Penn State.

The work of the Association and its members in stressin the high quality of Penn Gradual protecting its label from unauthorized users has helped create a distinct market de mand for 100 per cent pure

the result of almost 30 years of produ of cooperative effort between producer and refiner, operating many yes through the Pennsylvania Grade Crude Off Association

Not only is the Penn Grade Association observing its 48th birthday this month but its president. Mr. Jones, is celebrating his birthday tomorrow

resident, Mr. Jones, is cele wating his birthday tomorrow. His life has been intimately issociated with the Penn Grade industry. He has been a Pennylvania producer; was director

#### But who would expect to meet cow on bridge

A sense of humor pervaded the town in the early days of oil as this story from The Era of Oct. 30,1832, shows.

Saturday evening as Conductor Barnes' train, which leaves
here at 8 p.m. was crossing
the 300 foot bridge about twe
miles this side of Carrollton the
subser discovered a cow lying
to the subservation of the subservation of the
beavy freight train and the engine crushed its way over the
animal and kept the rails. As
empty car completely jumped
the track, although prevented
from goine of the bridge. By
first of hard work the car
empty car completely jumped
from goine of the bridge. By
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workwork of the bridge and
the
train due bere at 9 p.m.
The story that Conductor
Barnes' frain was no into from
the rear while standing on the
main track, as published in vesterday's News, is characterized
terday's News, is characterized

## F.E. Dean came close in our area

F.E. Dean and his brothers, mod rilled near Custer City.

1885, stopping just 220 feet above the Bradford Sand, then drilled another well at Tarport, the old name for East Bradford. Site was the Clark farm, depth of 605 feet, was over 400 feet above

of production for the Penn Grade Crude Oil Association for many years and has long been president

He is a past president of the National Stripper Well Association, was program member of the Internation, was program of the Internation of the International Internationa

## PIPER WELL SURVEYS

INC. 820 High Bradford

Serving the Famous Bradford Field! DUKE CENTER WELDING SHOP

We are proud to be a part of this gra-; anniversary in oil history.

-WE GO ANYWHERE—
No Job Too Large -

No Job Too Small

DI DEC BODE

Ph. 966-3800

DUKE CENTER, PA.

WE HAVE SERVED OIL FIELD MEN FOR OVER 70 YEARS. WE ARE

WE ARE HAPPY TO ADD OUR MOST



Sincere Congratulations

TO THE BRADFORD OIL INDUSTRY — 100 YEARS OF PROGRESS

FRIEDMAN'S CLOTHING & SHOES 105-107 Main St.

# Congratulations...



WE have been proud to furnish Heavy Earthmoving Equipment to the Bradford Oil Fields for over 30 years.



361 CONGRESS ST.

BRADFORD, PA. 16701

#### Lewis Emery Jr. leading figure in oil history

One of the most remembered names in the history of the Bradford Oil Field was the Hon. Lewis Emery Jr., who was able to direct many enterprises.

Sorn in Cherry Creek, MY.
on Aug. 10, 1839, he was destined eventually to return to
this region and become a leader
in many fields. He was an
alumnus of Hillsdale College,
Hillsdale, Mich., where a plaque
honors his memory.

He maintained management of mit objects a corporation; was a londing Bradford ell producer; owner of a refuney; member of the Assembly and the State Senate; owner of a department store; had wheat lands in North Dakota, merchant flour milling in Michigan; owner of lumber millis a Kentransport of metaparament o

An aggressive and successful competitor of Standard Oil, he functioned very successfully, attested to by his immense oil production holdings, his large refinery here and his independent oil pipe line to the East Court.

In the mid '70s, impressed with the Bradford Field, as then largely undeveloped and just beginning, he leased 14,000 acres of land and proved a very reconstruct of land and proved a very

In 1878, he was elected to the General Assembly from Mc-Kean County, going on to the State Senate in 1870.

During his lifetime, he owned what was considered one of the leading plants for refining crude. Emery Manufacturing Co. The refinery covered six and shall serves, near the Kental Comment of the state of the state

In 1692, Sen. Emery with other businessmen led in the formation of the United States Pipe Line Co. to pipe Bradford oil to the Eastern Scaboard.

Sen. Emery died Nov. 19.
1964, at which time his son Earle.
C. Emery took over operation of the Emery interests utilities to the death in 1946. At that time, F. Wayne Fesemmyer, husband of the former Miss Elizabeth Emery Fesemmyer, only surviving grandehild and heir to Sen. Emery succeeded him. Her father was the late Delevan Emery, offices and of the senator, who

daughter, the late Miss Grace C. Emery, who built Hotel Emery in 1929 in memory of her father She died in 1941. Another son, Lewis Emery, died the

Minard Run Oil Co, was incorporated in early 1906. The Quintuple Oil Co., well-known firm was sold in 1940.

In World War I, Sen Emery operated the American Alkall & Acid Co., an important aid to the war effort. Emery Hardware, first opened to sell oil supplies and them operated as a hardware store, closed in mid-1967. The Emery Nursing Home here was the recipient of benefactions by Mrs. Fesenwer and is named in memory of her late father.

#### Oil here in 1864

Oil had its beginnings in thi vicinity in 1864, seven year before the important Job Mose Well on Seaward Ave. Ext., no far from the Foster Broot Crossroads.

ahallow wells that year along the Tuna Valley in New York State below Limestone and about seven miles north of Bradford. However, these wells yielded only small amounts of oil and gas.



Bradford in 1870 — this tamelar photograph, loaned by Charles A. Day, appears also in that priceless "Historical Bradford Illustrated — 1901." The Job Moses Well had come in in 1871, five years before, and by 1876, wells had been brought in in sufficient numbers that Bradford was growing rapidly, Derricks were just about everywhere as the initial efforts to drill for famed Bradford Pennsylvania Grade crude went on in earnest. Evidence of the success appears in a picture taken only two years later when more and more houses and other structures as well as derricks dotted the landscape. Until 1855, Bradford had been known as Littleton, named for Col. Levitt C. Little,

## OUR 68th YEAR 1904-1971



we proudly salute the Oil Industry of our town - Bradford.

We've grown up in this town with the growth of oil. We'll always have fond memories of our association.

#### SUNNYBROOK DAIRIES

Bradford, Pa.

#### It took 3 years to realize the oil potential in area

From the time the historic Joh Moses Well struck the Brad-ford Third sand near what is mow Seaward Ave. Ext. in Fester Twp, in November of 1871, with a daily production of 10 burrels. No wells of any significance were completed until late 1874 when the team of Butts and Foster struck oil on the Butchantan farm, about two and a half miles mortheast of Butchandrof, Dr. Charles Fetyles (1998) and the State of the Control of the Butchandrof, Dr. Charles Fetyles (1998) and the State of the State of

This well, which began with an output of 70 barrels a day, is considered the first well that genuinely attracted the attention of oil men to the real possibi-

In late September of 1871
Frederick Crocker obtained 7
Frederick Crocker obtained 7
Farrels of flowing oil on th
Watkins Farm, about a milmorth of Tarport By drilling
only five feet deeper, Mr
Crocker reached an output o
200 barrels. From then on, de
velorment accelerates

SINCERE WISHES
TO THE
BRADFORD OIL
INDUSTRY

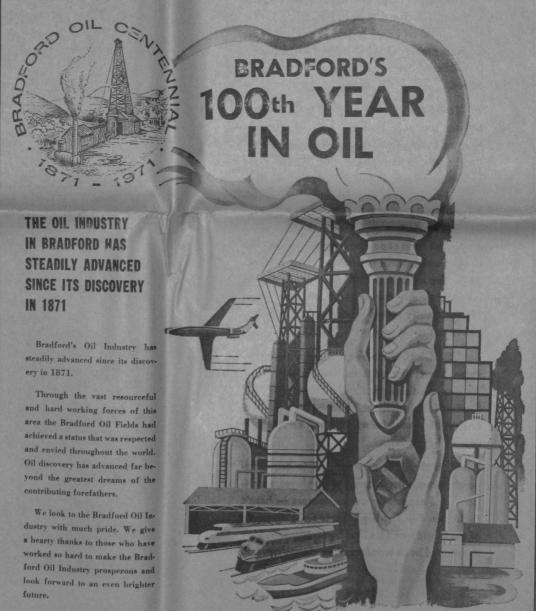
A CENTURY OF PROGRESS



DESELLE'S

Main St Boodson





# PRODUCERS BANK



# **Bradford** -- Home of Kendall

TEN YEARS after the Bradford Oil Field was discovered in 1871, we ran our first batch of Bradford Grade crude oil through our first pot still down Tarport way – as East Bradford was called in those days. For many decades Bradford Grade crude oil has commanded the highest price for any barrel of crude in the world – and still does today. For ninety years we have processed only Bradford and other selected Pennsylvania Grade crude oils in our refinery.

TODAY we pay the city's largest water bill and the biggest electric bill; we are number two taxpayer in Bradford Township and number one in Foster Township. We have one of the best local industrial records when it comes to stability of employment. Our employes' pay checks numbering 520, contribute over five million dollars each year to the local economy in the form of purchases, savings and taxes. And we continue to modernize, as evidenced by the more than thirteen million dollars invested locally during the past three years. We constantly spend research dollars to enhance our main product – QUALITY.

TOMORROW'S plans call for more of the same. Sound like we're tooting our own horn? We are. We think that's what part of an Oil Centennial is all about! And we hope and expect to do more with our Kendall and Amalie Brands in the future.

With thankful appreciation to our independent crude producers, our employes, neighbors, and especially our customers — here's to Bradford — The High Grade Oil Metropolis of the World – and its first hundred years. May the second be as wonderful – and they can be!



# WITCO CHEMICAL CORPORATION

Bradford Petroleum Division BRADFORD, PA.

## Penn-Bradford Historical Museum Natural superiority of local oil unchallenged



Serving the Bradford Area Oil Fields for Over Half A Century ...

#### MAYER BRAUSER

OUR VERY BEST WISHES

BRADFORD DIL INDUSTRY

On Its

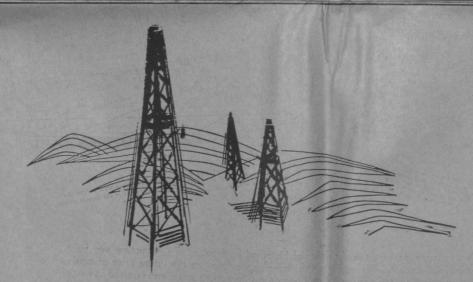


From

BOVAIRD & CO.

181 MAIN ST.

BRADFORD, PA.



## WHEN THE BRADFORD FIELD WAS JUST SIXTEEN...

... The Ohio Oil Company (our original name) was founded in northwestern Ohio by men who pioneered a new oil region in the Bradford tradition. Today our interests have spread across the nation and around the world . . . and back to the Pennsylvania oil regions where the industry began. On this Centennial, we congratulate the oil men and women of Bradford for their 100 years of service and progress.



MARATHON OIL COMPANY FINDLAY OHIO

# Forest Dorn has intimate relationship with secondary oil recovery

The late Forest D. Dorn—whose name is perpetuated in the extensive oil and gas operations of Forest Oil Corp. had an intimate relationship with secondary oil recovery—waterflooding or "five-spot-time".

In 1916, he and his father, the late Clayton G. Dorn, began waterflooding operations in both the Bradford and Bolivar, N.Y. oil fields.

FOREST DORN foresaw the possibility of developing the waterflood technique and after incorporation of Forest Di Corp. he began intensive experiments. Results quickly showed the practicability of the system and the firm's holdings were greatly increased almost every year until 1935.

every year until 1935.

Basic waterflooding principles developed by Forest were used thereafter universally by the industry; hence, Forest Oil can be described as a pioneer in the large-scale and scientific development of or the secondary recovery of for the secondary recovery of

Under Mr. Dorn's direction, the firm's waterflood output, rose from 38 barrels a day in 1916 to more than 9,300 daily in 1939 – about 20 per cept of the daily production in the entire Bradford Field. During many of the years between 1956 and 1939, the company drilled more than 1,000 barrels a year and one year, 1,800, believed



-----

to be the largest number ever drilled by any firm in one year.

BY 1935, a large percentage of the company's Bradfore Field properties were either un der intensive waterflood or had been depleted. So, the decision was made to expand into other areas, both in primary and secondary production.

Over the years, Forest ac quired properties in numerous states and foreign lands. The company, in its own interest, has produced more than 24 million barrels of oil, including condensate and gas equivalent in barrels. Gas activities are becoming increasingly import

production.

Prior to his death in 1987
Mr. Dorn had brought all five
sone Dale, Clayton, Davic
Richard and John into the bus
ness; together with his son-in
law William Bird and his nepl
ew, William D. Miller, all
whom hold important posts wit.

Mr. Dorn's widow, the forme Miss Ruth Caroline Holbrook

Petroleum helps keep apples shiny, fresh

A product which include petroleum prevents the prema ture falling of ripe apples. This helps save crops which may be lost if pickers are no available when the fruit ma

BRAKE WELL BARK

Thousands of visitors tour the Drake Well Memorial Park a Titusville annually to see the replica of the world's first commercial oil well and to browse in the museum.

## WESB schedules

ber of in-person interviews with the men in all walks of life who have made the werld-famous Bradford Oil Fleid what it is today, roustabouts, tool dressers, producers, drillers, nitro experts, lease, new producers, and men, company executives, and

In fact, the station has made in all-out effort to capture the human spirit in these "humbnail" sketches in words about the story-laden Bradford oil garage.

The programs will be heard on a regular basis during Bradford Oil Centennial week, Aug. 16-22. The station will keep listeners informed about scheduled times.

# Early pipe line built to the East Coast

The names of Byron D. Benson, David McKelvy, Alanson Ashford Summer, S.Q. Brown and Robert E. Hopkins are associated with the first pipe line to transport oil over the mountains with eastern seaboard as the final objective.

These men organized the Tide
Water Pipe Co. and the line
from Coryville to Williamspor
in 1879 and in the third period
of the industry completed it to

Oil was discovered at Titusville at a level of only 69½ feet below the surface of the

# Local oil field closely associated with the API

The Bradford Oil Field has always been closely associated with the American Petroleum Institute in its various divisions since the inception of the organ-

In fact, there are those who recall that Bradford oilmen together with support from oil and gas producers in the Pittsburgh area, played a dominant role even in its very earliest days.

District of the API Division of Development and Production Engineering was formed and the late Frank M. Brewster of Bradford, then associated with Petroleum Reclamation Co., a forerunner of Case — Pomeroy, was elected first district chairman to serve during 1928.

During 1930, the API board of directors combined the API Division of Standardization and the API Division of Development and Production Engineering to form the presently-named API

During 1946 and 1947, the API Eastern District study committee on Secondary Recovery was formulated to report to the national standing sub-committee on the subject. This committee, on turn, reported to the National Topical Committee on Prod-

This sub-committee has mel here in the Bradford area from 10 to 12 times a year ever since. During all these sessions, there has been a very unique exchange of information among the preparent since of warmen.

firms and visitors have remarked many times that such exchange of information on production problems was "unknown" in any other place in

Since 1966, this sub-committee has been known as the Penn-York Chapter and is currently headed by Charles E. Black, Witco Chemical Corp. here, State Oil et al., and the Chapter of the Ch

## Early oil wells had odd names

Oil wells were queer thin in those early days and to di tinguish one from the othe they were given queer names. Some of these names has some down to us as John Jump-Up, Big Injun, Old Miery, The Baby, Spotted Tai Maggie, The Owl, Big Potata Big Medicine, Old Teaser, Littlinjun, Great Leather, Bli Nose, Big Bolongs, Sandwich Blackbawk, Annie, Christma Tree, Blue Jay, Cantain Jinke

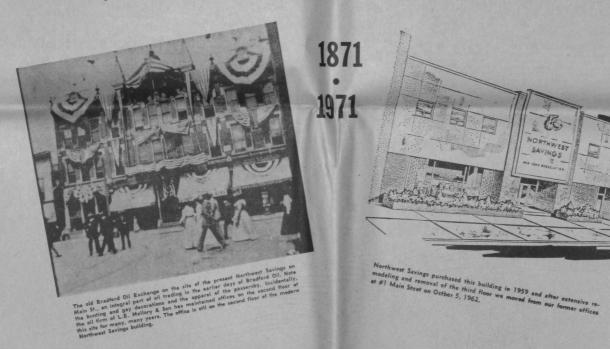
## We Are Happy To Serve YOU

During this
Oil Centennial Week
And
We Salute
The Oil Industry
On 100 Years of Progress!

DeSoto Restaurant

940 East Main St. Bradford

# A Hearty Salute to Bradford's 100th Year of Oil Discovery



The building which we occupy is steeped in the riches of historical background. The structure was built about 1879 by the Bradford Oil Exchange. It was here that buyers speculated on the future price of crude stored in tanks owned by various pipe line companies, and one days transactions sometimes involved as much as 20,006,000 barrels of oil.

Twenty-five years after the beginning of the oil industry in Bradford, Northwest Savings (formerly Bradford Savings) was incorporated by ten far-sighted men on August 20, 1896. Those men were P. C. Blaisdell, Robert Bauer, E. J. Boyle, William Chambers, John Eckhart, Jr., George C. Fagman, J. B. Fox, C. E. Judd, David McLau ghlin and P. C. Rush.

Presently completing our 75th year of Thrift and Home Financing service to this area the visions of the original incorporators continue to materlize as we have now grown to serve a wider area of North West Pennsylvania, with offices in the counties of McKean, Warren, Elk and Venango.



## NORTHWEST SAVINGS

33 MAIN STREET & BRADFORD MALL

BRADFORD, PENNSYLVANIA 16701

GOOD
OLD FASHIONED
SERVICE OF MODERN
FINANCIAL PLANS



## Wood from area, atmosphere from oil field on display at historical museum

J.B. RANDALL

'Grand Old Man of Oll'

By DOROTHY SHOFF

Era Correspondent

DIME CENTER — "I don't hink anything unusual eyer happened to me, I just lived and worked with my father from the time I was about ten years old," Jacob B. Jake's Randall, lifelong Duke Center resident recently named "Grand Old Man of Oll" for Bradford's Oil Centennial, told The Era.

"While dad (William Randall) was in the boiler room in the morning, I would go out and start the wells," Jake continued, "and when he went fishing,

'And when my father died, his oil lease was passed on to me and then I also acquired other leases."

After a bit of conversation, Jake did recall a narrow escape from drowning when he was three years old.

"It was in 1885 at the time of the Johnstown flood," Jake recalled, "and the water had washed out the bridge over the creek and also, Duke's gas line. A plank had been laid across the creek as a temporary bridge, I proceeded to start ac ross and fell in.

today if two other childre hadn't been with me and yell for help as I went tumblir down the creek in the swift we ters. Two men came to my recue in the waist-high water."

Jake celebrated his 85% highday or June 27, and will highly and will be seen to the control of the contr

birthday on June 17, and with a twinkle in his eye, he said his only complaint is that he is forgetful and "a little hard of hearing."

When asked his reaction to being chosen the 'Grand Old Man of Oil,'' he replied, 'Well, you know, I didn't know it 'til on my way home from the meeting that day (the joint meeting of Bradford District Ps. Oil Producers and Penn Grade Crude Oil Associations at Pennhills on June 11.)"

"En route bome that night, I asked Paul (Pete) Kahle why everyone stood up when my name was mentioned at the meeting." Jake continued, "and then he told me I had been selected the Grand Old Man. So when I got home I called Penn Grade Crude's president, I. Paul Jones, and thanked.

Jake says he now sleeps less than 50 feet from where he was born, and strice his wife, the former Pauline Crocker, died in February 1964, he lives alone



PENN-BRAD Tool House Museum and Drilling Rig will be a popular popt, not only during this Bradford Oil Centennial week but from now on. Conveniently situated at Custer City's northern border take visitors back into the past where memorabilia of early oil days as well as appropriate souvenirs and mementos are displayed. Then, to stand on the rig floor and look at all the facets of the

right near and look at all, the received into the cutton of the old right is a journey into the arolls around.

The record also shows that is J.B. Randall has been a memorable of Northern Star Blue todgs 7.5 F&AM for 60 years;

oir... a rare accomp tory.

He admitted he is looking bedgegarian is also ward to riding in the pas ward to riding in the passion of the work as election which can only mean, the man in his district, he may be old m years always been right on experience, he's still a kid

past. Special dedication ceremonies will be held Friday at 2 p.m. The museum and historical well will be dedicated at 2 p.m., Friday. The facilities are egen to visitors delily from 8 a.m. to 8 p.m., with special demonstrations at 10 a.m. and 2 p.m. (Era photo by W. Forres Stewart)

Our Best Wishes and

#### CONGRATULATIONS

to the hearty oil pioneers and their successors on their 100th year of economic productivity.

BRADFORD
TV CABLE COMPANY
20 Congress St. Bradford Pa.

Localite bought first oil coming from Drake well

The late Herbert T. Morian, ather of the late Stanley Morm, well-known Bradford Townhip official, was one of the last
sen alive in the country who
ould boast of having gone to
ne now-celebrated Drake Oil
'eli on the second day after

Mr. Morian, who was to becoine a producer himself, not only visited the historic well but also purchased the first oil sold from the line. He purchased a pint of the precious "black gold" for "two shillings."

Mr. Morian, who vividly recalled the boom days, was onlil years old on the day of the memorable oil strike, Aug. 21 1859. At that time, he reside in Enterprise, a few miles eas of Titusville. He made the journey to the well on foot.

Mr. Morian, who lived to a ripe old ago, followed the oi business for 73 years. At the age of 68 when he retired, he was still taking an active part in working his oil properation working his oil properation. When the promotion of the Bradford District Pennsylvania Oil Producer's Association and his oil properties were associated in membership in the group.

MANY BY-PRODUCTS
High fashion synthetic febrics
and rocket fuels are just some
of the hundreds of different
products made from oil.

## HAPPY 100th BRADFORD OIL INDUSTRY

We're happy to witness this great event.

## JARRETT MACHINE

COMPANY 20 Roberts St. Bradfor

**OUR TRIBUTES** 

TO THE BRADFORD OIL INDUSTRY ON

100 YEARS OF PROGRESS

The DOWNBEAT RESTAURANT

147 MAIN ST. BRADFORD



#### "THE HIGH GRADE OIL METROPOLIS OF THE WORLD"

Where else can the oil industry look back on such an historical background and such broad developments as in the Bradford Field.

We salute the oil industry in Bradford, on this, the 100th Anniversary of the first oil producing well in McKean County.



## EASTERN ROYALTIES

INC.



INSPECTION right on the floor of the Penn-Bred Drilling Righ at Cuter City is made by George G. Blaisdell, president of Zippo Manufacturing Co. With him is E. James Bryner, and Common committee chairman and past president of the Bradford District Pennylvania Oil Froducers Association, originators of the museum with the help of many generous sponsors. (Era photo by Stewart)

A CENTURY OF PROGRESS

IN THE OIL INDUSTRY

HOLLEY HOTEL

153 MAIN ST. BRADFORD, PA





# It's A Great Anniversary...

This week the Bradford Oil Industry celebrates 100 Years. We Salute the men and women of this great industry. Bradford Oil Fields leadership is recognized world-wide. We are proud of our long association wih such leadership.

CARL E. SWANSON & SONS

BRADFORD

COUNTRY STORE

"CUSTER CITY CROSSROADS"

## Bradford Landmark Society has two main purposes

"Step Back 100 Years"

and see what stores were like in



AND ... RIGHT NEARBY - Be Sure & Visit . . . . . . . . . Both at Custer City





Oil is a record to be proud of . . . and Bradford 71 Years out of the last 100

The Smith Agency

## Local field has produced s. R. Dresser, founder of the lin West Vizzinia while in his 648M bbls. of crude oil

Our Congratulations . . . to the Oil Industry on their 100 year Centennial Celebration!

## THRIFTY CLEANERS

Best Wishes to the Oil Industry In All Phases -

100 Years of Progress 1871-1971

Bradford's Decorating Center Since 1958

#### **JENSEN**

PAINT COMPANY 10-14 Kennedy St. 362-2920

Compliments

Lynn G. Smith Earl F. Smith

# **BMW-MONARCH**

Formerly BRADFORD MOTOR WORKS Located at 57 Holley Avenue, Bradford, Pa.

For 60 Years Serving The Oil Industry

Manufacturing One of the Most Vital Pieces of Equipment

"The Pump

#### PRODUCTION and INCOME Bradford Oil Field

McKean County — Pennsylvania and Cattaraugus County — New York COMPILED AT BRADFORD, PA. — BY Victor H. Samuelson

		RODUCTION	Daily	Average	INCOME		
Year	Annual 1,000	Cumulative	Average	Price	Annual	Cumulative	
871	2 000	1,000	2.74 5.48	\$4.340 3.640	\$ 4,340 7,280	\$ 4,340 11,620	
73 73	2,000 3,000	5,000	5.48	1.830	3,660	15,280 18,790	
4	3,000 25,000	8,000 33,000	8.22	1.170 1.350	3,510 33,750	18,790 52,540	
8	382,768	415,768 1,884,249 8,062,995 22,007,504	1,048.68	2,560	070 888	1.032,426	
7 8 9	1,468,481	1,884,249	4,023.24 17,010.26 35,656.19	2,420	3,553,724 7,388,408 11,966,478	4,586,150 11,974,558	
	6,208,746 13,914,509	8,092,995	17,010.26	1.190	7,388,408	11,974,558 23,941,036	
			60 954 70	0.950	21,101,400 19,732,759	45,042,436 64,775,195	
	22,945,069 17,959,000	67,164,573 85,123,573 98,418,459 110,301,459	62,863.20 49,202.74 36,424.35 32,556.17	0.860	19,732,759	64,775,195	
	13,294,886	85,123,573 98 418 459	49,202,74 36,424,35	0.860	15,444,740	80,219,935 94,179,565 104,042,455 113,339,037 121,921,498	
	11.883.000	110,301,459	32,556.17	1.050 0.830	13,959,630 9,862,890	104,042,455	
	10,564,298 9,752,797 7,580,979			0.880	9,296,582 8,582,461	113,339,037	
	7,580,979	130,618,554 138,199,533 143,505,595 149,270,648	26,719.99 20,769.81 14,537.16 15,794.67	0.880	E 060 956	121,921,498	
	5,306,062	143,505,595	14,537.16	0.870	4,616,274 5,419,150 4,879,600 3,653,120 2,402,994	127,000,754 131,617,028 137,036,178	
	5,765,053		15,794.67 15,366.40	0.940	5,419,150	137,036,178 141,915,778	
	5,608,735 5,452,418		14,938.13	0.870 0.670	4,879,600 3,653,120	145,568,898	
	4,291,06L 3,502,136	160,331,801 164,622,862, 168,124,998 171,484,833	14,938.13 11,756.33 9,594.90	0.560	2,402,994	147 971 892	
	3,359,835	168,124,998	9,594.90 9,205.03	0.640	2,241,367 2,822,261 3,958,666 4,289,677	150,213,259 153,035,520 156,994,186	
	3,244,808	174,729,641	8,889.88	0.840 1.220	3 958 666	156 994 186	
	3,244,808 3,604,771 3,904,230	178,334,412	0 976 no	1,190	4,289,677	161,283,863 164,368,205	
		174,729,641 178,334,412 182,238,642 184,682,941	10,696.52	0.790	3,084,342	164,368,205 167,502,517	
	3,206,845	188,889,786	8,785.88	0.910 1.290	3,134,312 4,136,830	167,502,517 171,639,347	
	3,206,845 3,022,493 2,757,603 2,506,981	191 912 279	10.896.52 9.434.38 8,785.88 8,280.80 7,555.07	1.350	4,136,830 4,080,366 3,336,700 3,083,587	171,639,347 175,719,713 179,056,413	
	2,757,603 2,506,981	194,669,882	7,555.07	1.210	3,336,700	179,056,413	
	2,326,413 2,187,883	194,669,882 197,176,863 199,503,276 201,691,159	6,868.44 6,373.73 5,994.20 5,795.14 5,539.73	1.230 1.590		182,140,000 185,838,997	
	2,187,883	201,691,159	5,994.20	1.630 1.390 1.600 1,750 1.780	3,566,249 2,940,163 3,235,200	189,405,246	
	2,115,225		5,795,14	1.390	2,940,163	192,345,409 195,580,609	
	2,022,000 2,048,000	205,828,384 207,876,384 209,950,384	5,610.96	1.600	3,235,200	195,580,609 199,164,509	
	2 074 000	209,950,384	5,682.19	1.780	3,691,720	202,856,329	
	2,100,000 2,128,000	212,050,384 214,178,384	5,753,43 5,830,14		3,444,000 2,851,520 2,797,600	206,300,329	
	2,152,000 2,178,000	216,330,384	5,830,14 5,895.89	1.340 1.300	2,851,520	209,151,849	
	2,178,000	216,330,384 218,508,384 220,712,384 222,942,384	5,967.13	1.599	3,482,622	211,949,449 215,432,071	
	2,204,000 2,230,000	220,712,384	6,038.36	2.463	5,428,452	220,860,523	
	2,256,000	225,198,384	6,109.89 6,180.80	1.885 1.695	4,203,550	225,064,073 228,887,993	
	2 282 000	227,480,384	6,252.05 6,323.29 6,394.52	2.505	3,823,920 5,716,410 7,498,692		
	2,308,000	229,788,384	6,323.29	3.249	7,498,692	242,103,095 251,378,411 261,106,691 275,345,953	
	2,360,000	232,122,384 234,482,384 236,868,384	6 465 75	3.974 4 123	9,275,316	251,378,411	
	9 396 000	236,868,384	6,536.99	4.123 5.967	9,275,316 9,730,280 14,237,262	275.345.953	
	2,415,687 2,577,728 2,602,777 2,480,540	239,284.071	6,618.32	3.328 3.175 3.328	8,039,406 8,184,280	283,385,359	
	2,602,777	244,464,574	7,062.26	3.175	8,184,280 8,662,042	291,569,639	
	2,480,540	241,861,797 244,464,574 246,945,114 249,692,734	6,796.00	3 605	9,165,595	300,231,681 309,397,276	
	2,747,620 4 725,252	249,692,734 254,417,986	7,527.73	3.762 3.765	10.336,546	309,397,276 319,733,822	
	5,793,707		15,873 17	3.765	17,790,574	337,524,396 355,809,335	
	4,725,252 5,793,707 6,361,703 8,137,125	266,573,396 274,716,521 283,994,751 292,806,884 302,771,119 312,896,577	6,394,52 6,465,75 6,536,99 6,618,32 7,062,26 7,130,90 6,796,00 7,527,73 12,945,90 15,873,17 17,429,32 22,293,50	3.156 3.360	18,284,939 21,375,322 32,117,232 24,101,861	355,809,335 377,184,657	
	8,137,125 9,284,230	274,710,521		3.947	32,117,232	409,301,889	
	8,812,133	292,806,884	25,436.25 24,142.83	2.596 2.022	17 818 133	433,403,750	
	0.000,000	302,771,119	24,142.83 27,299.27 27,740.98	1.881	17,818.133 18,742,726	433,403,750 451,221,883 469,964,609	
	10,125,458 11,990,248 13,183,322 14,568,740		27,740.98 32,849.99	1,860	18,833,352 29,496,010	488,797,961	
	13,183,322	338,070,147	36,118.69	2.460 2.176	28 686 909	518,293,971 546,980,980	
	14,569,740	352,639,887	39,917.10	2.570	37,444,232 43,855,363	546,980,880 584,425,112 628,280,475	
	16,738,688 15,088,663 14,594,612	338.070,147 352,639,887 369,378,575 384,467,238 399,061,850		2.570 2,620 1.898	43,855,363	628,280,475	
	14,594,612	399,061,850	39,985-23	2.059 2.287	28,638,282 30,050,306 32,669,827	656,918,757 683,959,062	
	14.285,014 13.397,733 15.532,472	413,346,864	39,137.02	2.287	32,669,827	719,638,890	
	15,532,472	399.061,850 413,346,864 427,344,617 442,877,000 456,561,275 468,723,796 479,516,791 491,273,304 502,885,365 514,052,900	40,639,42 41,338,80 39,985,23 39,137,02 38,336,01 42,554,71 37,490,92 33,321,96 29,569,85	2.942	35,964,236 45,695,533 41,052,558 40,282,270 40,473,731	628,280,475 656,918,757 683,359,063 719,638,890 755,543,126 801,239,659 842,292,217 882,574,487	
	13,684,186 12,162,521 10,792,995	456,561,275	37,490.92	3.000	41,052,558	842,292,217	
	10,792,995	479,516,791	29.569.95	3.750	40,282,270	882,574,487	
	11,756,513	491,273,304	32,209.63		44,968,662	920,046,218	
	11,756,513 11,612,061 11,173,528 9,783,553	502,885,365	32,209.63 31,813.87	4.210	44,968,662 48,886,777	1,016,903,657	
	9,783,553	514,058,893 523,842,446	30.612.41 26,804.25 27.313.88 26,973.97	4.971 3.561	55,543,608	1,016,903,657 1,072,447,265 1,107,286,497 1,145,190,795 1,187,034,170	
	9,969,568	523,842,446 533,812,014 543,657,514	27,313,88	3.802	34,839,232 37,904,298 41,843,375	1,107,286,497	
	9,845,500	543,657,514	26,973.97	4.250	41.843,375	1.187.034.170	
	9,669,909 9,349,083 7,744,174 7,170,983	553,327,423 562,676,506	26.492.90	4.250 4.304	47 097 113	1,428,131,283	
	7,744,174	570,420,680	21 167 60	3.451	40,238,453 26,725,144	1,268,369,736	
	7,170,983		25,613.26 21,167.60 19,646.53	3.573	25,621,922	1,295,094,880	
	6,958,832 7,081,220	584,550,495 591,631,715 597,634,300	19,065.29	4.425	30,792,831	1,320,716,802 1,351,509,633	
	6.002,585	597,634,300	19,400.60 16,445.44	4.772 4.130	30,792,831 33,791,581 24,790,676	1,385,301,214	
	6,002,585 5,413,140 5,092,352	DU0,047,440	14,830.00	4.223	24,790,676 22,859,690	1,410,091,890	
	5,092,352 4,842,618	602 120 202	13,951.65 13,267.45	4.691	23,888,223	1,432,951,580 1,456,839,803	
	4.458.875	617,982,410	13,267.45	4.791	23 200 022	1,480,040 786	
	4.133,260 4.151,731	612,982,410 617,441,785 621,574,545 625,706,276 629,440,320	12,216.00 11,327.00	4.630 4.630	20,644,591	1,480,040,786 1,500,685,377	
	4,151,731	625,706,276	11,344.00	4.480	18,599,755	1,519,822,371	
	3,714,044	629,440,320	10,175.00	4.480	20,644,591 19,136,994 18,599,755 16,638,917	1,538,422,126 1,555,061,043	
	3,653,668 3,812,394	633,093,988 636,906,382	10,010.00	4.606	16,828,795	1,571,889,838	
		648,397,122	10,445.00 9,537.00	4.630	17,651,384 16,162,126	1,589,541,222	
	3,453,417		The state of the s		10,102,126	1,605,703,348	
	2,899,032	643,850,539 646,749,571	9,461.00 7,943.00	4.630	15,989,321	1,621,692,669 1,635,115,187	

## Natural gasoline industry started in Bradford area

came a factor in revitalizing the Bradford district after the production decline of the 1900s, had its birth here.

The Era drew attention to this development. The story said:

A plant for gasoline mannifacture at Bingham in this county, the Bingham in this county is been solved by many other armine plants in the oil fields

The late Dr. A. J. Paris Jr., who began his research work in Bradford in 1900, was treasurer and later president of the

#### Water flooding may have started as an accident

method of secondary oil recover) may have started by

whole thing started in 1896 of the Balton lease in the vicinity of Alen in McKean County.

The Bory goes operations been abandoned because the Bory and the Bory and the Bory abandoned because been abandoned because the Balton and t

Casing was pulled on
tof the wells. The withwal of casing was said to
allowed water from levels
thou the producing sand to
to the holes.
The later, when drilling
tons were resumed an

than later, when drilling cons were resumed, as accountably rich flow of oil speed to receivers. plant of the Petroleum Products

in 1909 the Butler, Pa., Citizen described the output of this plant as three to four gallons of gasoline from each 1,000 feet of natural gas.

It was understood that page

It was understood that prior to this development, the gaso line potential of oil well gas had been ignored or unknown. Oil men of the time felt that this process represented a additional profit to the producer on a part of his production them receiving little, attentials.

The Bingham plant was in operation for only about a year. Dr. Paris then set up a similar plant at Charleston, W. Va., and during the first World War, the second plant was turned over to the government for experi-

mental work.

From its pioneer beginnings at Bingham, the manufacture of gasoline from natural gas grew until millions of gallons were being produced annually from gas.

In 1921, there were 12 plants

# AND...MORE CONGRATULATIONS

TO YOU THE

#### BRADFORD OIL INDUSTRY

ON YOUR CENTENNIAL

#### PAUL COLBURN Jeweler

399 E. MAIN ST. BRADFORD, PA.

# 54 YEARS OF HELPING TO BUILD A BETTER BRADFORD



## The Discovery of Cil 160 Years Ago Started It All In Bradford

On this 100th Anniversary of the discovery of oil in the Bradford field, we point with pride to our record of over 54 years of service in this market area. From a very humble beginning, we have grown in size and strength with this community.

We look forward in the future with a firm resolve to continue to provide whatever services that may be necessary to continue the economic progress vital to "building a better Bradford."



## First Federal

SAVINGS AND LOAN ASSOCIATION

Main at Pine Bradford Telephone 362-3544

"Helping to Build a Better Bradford Area"

Everyone at the Bradford Mall Extends Their

# Congratulations



to the entire

on its first 100 Years of Progress

we're proud to jointly acknowledge this notable achievement.



To You To Come To Bradford and The Bradford Mall and Witness A Full Week of Gelebration Commemorating Bradford's Oil Gentennial Year.

BE OUR GUESTS FOR THE FOLLOWING ACTIVITIES AT THE MALL

#### THURSDAY, AUG. 19

10:00 A. M. to 10:00 P. M. Bradford Mall Centennial Sale Days

10:00 A. M. to 10:00 P. M. Bradford Art Center Art Show

12:00 Noon to 8:00 P. M. Demonstration of Bit Dressing



#### FRIDAY, AUG. 20

10:00 A. M. to 10:00 P. M. Bradford Mall Centennial Sale Days

10:00 A. M. to 10:00 P. M. Bradford Art Center Art Show

#### SATURDAY, AUG. 21

Noon to 8:00 P. M.
Demonstration of Bit Dressing

Oil Well Shooting 500 Ft. North of Bradford Mall

2:30 P. M.

Special presentation to Grand Old Man of Oil Centennial at Bradford Mall Parking Area



Old Fashion Flavor Will Be Added to the Bradford Mail as Mall Clerks will wear their Old Fashioned Costumes for the Oil Centennial.

JOIN THE FUN AT THE BRADFORD MALL

This invitation is extended to you through the courtesy of the Bradford Mall Merchants Association

## • BRADFORD NATIONAL BANK

- · CADET CLEANERS
- · GALLENKAMP SHOES

## . JO ANN FABRICS

- · NORTHWEST SAVINGS ASS'N.
- · OAKLEAF'S HALLMARK

#### • PARK LANE HOSIERY

• PENNEYS

. REA & DERICK DRUGS

• ROYCE SHOES

A FULL WEEK OF EXCITING ACTIVITIES AWAIT YOU AT BRADFORD'S OIL CENTENNIAL CELEBRATION

## BRADFORD OIL CENTENNIAL 1871 - 1971

Aug. 16 - Aug. 22

MONDAY, AUG. 16

Inn.
6:00 to 8:00 p.m. —
Reception for patrons of the Annual Antiques Show, Landmark Society
Emery Engineering Center, 45-47 Main St.
8:30 to 9:30 p.m. —
Concert by Bradford Area High School Band and announcement of
Miss Bradford Oil Centennial — Miss Bradford Area United Fund
Veterans Square

10:00 p.m. — St. Rocco's Day traditional fireworks display, atop Mount Raub.

#### TUESDAY, AUG. 17

Regular Store Hours —
Sidewalk Days — Bradford Downtown Area Merchants.

11:00 a.m. to 10:00 p.m. —
Annual Antiques Show, sponsored by Landmark Society, 45-47 Main St

12 Noon —
Bradford Kiwanis salutes the Bradford Oil Centennial, Hotel Holley.

#### WEDNESDAY, AUG. 18

Regular Store Hours —
Sidewalk Days — Bradford Downtown Area Merchants.
11:00 a.m. to 6:00 p.m. —
Annual Antiques Show, Landmark Society, 45-47 Main St.

THURSDAY, AUG. 19
10:00 a.m. to 10:00 p.m. —
Bradford Mall Centennial Sales Days.
10:00 a.m. to 10:00 p.m. —
Bradford Art Center Art Show, Bradford Mall,
12 Noon to 8:00 p.m. —
Demonstrations of Bit Dressing, Bradford Mall,
8:00 p.m. —

Seneca Highland Players, "Arsenic & Old Lace", First United Methodist

FRIDAY, AUG. 20
10:00 a.m. to 10:00 p.m. —
Bradford Mall Centennial Sales Days.

10:00 a.m. to 10:00 p.m. —

Bradford Art Center Art Show, Bradford Mall. Noon to 8:00 p.m. —

Demonstrations of Bit Dressing, Bradford Mall.

2:00 p.m. —

Dedication of Penn-Brad Historical Well and Museum at Custer City.

This facility will be open daily during the Centennial from 8:00 a.m. to 8:00 p.m., with special demonstrations at 10:00 a.m. and 2:00 p.m.

4:00 p.m. —

Mighty Watson Shows — 60th Annual Clambake — Valley Hunt Clab.

Mighty Watson Shows — 60th Annual Clambake — Valley Hunt Club, Lewis Run, 8:00 p.m. — Seneca Highland Players, "Arsenic & Old Lace", First United Methodist Church.

8:00 p.m. —

Dance presented by Bradford's three Square Dance Clubs, Bradford National Bank Parking Lot, Main St.

9:30 a.m. to 5:00 p.m. —

Antique Car Show, Bradford National Bank Lot, Main St. 10:00 a.m. to 10:00 p.m. —

Bradford Mall Centennial Sales Days. 10:00 a.m. to 9:00 p.m. —

Bradford Art Center Art Show, Bradford Mall, Noon to 8:00 p.m. —

nonstrations of Bit Dressing, Bradford Mall,

2:00 p.m. — Oil Well Shooting, 500 feet north of Bradford Mall.

2:30 p.m. — Special Presentation to Grand Old Man of Oil Centennial, Bradford Mall Parking Lot.

3:00 p.m. — Brief Ceremonial, Job Moses 1871 Well Site

Brief Ceremonial, Job Moses 1871 Well Site.

4:00 p.m. —

Bradford Oil Centennial Parade, Congress St., Main and E. Main the
East Bradford, presented by Bradford Jaycees.

8:00 P. M. —

Seneca Highland Players, "Arsenic & Old Lace", First United Meth
Church.

Noon to 8:00 p.m. - SUNDAY, AUG. 22 Open House for views of Bradford Oil Field Memorabilia, the Bradford Club, 32-38 Boylston St.

## WEEKLONG SPECIAL SERVICES AND POINTS OF INTEREST

Display of Church Memorabilia, Emery Hall, University of Pittsb at Bradford, 2 South Ave.

Firemen's Museum, second floor, Central Fire Station, Chestnut ar East Corydon St. 9:30 a.m. to 5:00 p.m. staffed by Landmark Societ

Information Booth — data, souvenirs, mementos and similar m 9:30 a.m. to 8:00 p.m., staffed by the Desk and Derrick Club.

Art Show — students of Bradford Area Schools — windows of varied downtown locations.

## · SINGER SEWING CENTER

• SUZY BOUTIQUE · WOELWORTH'S

## Penn-Brad Historical Well and Museum at Custer City mecca for tourists

#### re dancing Friday



## HAPPY

from Everyone at

## POPIEL



## Otto Koch Sr. leading oil figure here

#### High School Band Plays at Veterans Sq.

at Valley Hunt Clul



5 - \$10.00 Gift Certificates

10 - \$ 5.00 Gift Certificates

100 - Gift Envelopes With Extra Top Value Stamps for You!

Drawing Held on SATURDAY, AUGUST 21, 1971 - Oil Centennial Weel

IT IS A PLEASURE TO BE A PART OF THE OIL INDUSTRY

WILLARD M. CLINE

16 E. MAIN ST. BRADFORD

and progress

The Bradford (Pa.) Era, Tuesday, Aug. 17, 1971—17-A

The Castle RESTAURANT AND CASTLE INN MOTEL

One of the Nation's Twenty Leading Restaurants Acclaims the Great **Bradford Oil Centennial** 

In celebrating our first anniversary in Bradford, we're happy to have arrived in time to celebrate **Bradford's Centennial Year** in the Oil business.

100 YEARS AGO ...

108 YEARS AGO

Oil was discovered in The Bradford Field!

We were helping people in McKean County with our banking facilities!

> We were founded in 1863 and ever since that first day of Banking way back then we've been proud of McKean County ... its people, and the industries

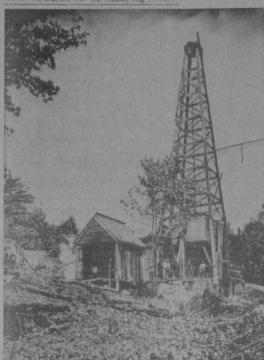
We are particularly proud now to be a part of and Congratulate the great Bradford Centennial 1871-1971.



"The Pioneer Bank of McKean County"

## HAMLIN BANK & TRUST CO.

MT. JEWETT



## Carnegie Public Library has special collection of books on oil and gas

## Antiques Show and Sale open today

#### CONGRATULATIONS

TO THE OIL INDUSTRY ON 100 YRS. OF PROGRESS WE HAVE BEEN HAPPY TO SERVE THEM FOR THE PAST 25 YEARS.

**WASSON MOTOR SALES** 



We take off our hats to the Oil Producers and others in the Oil Industry on the 100th Anniversary of the Discovery of Oil in the Famous Bradford Field.

We, too, are celebrating our 50th Year in selling and serving the Oil and Gas Fields.

# **LLOYD-SMITH COMPANY**

Store & Office 18 S. Kendall Avenue

Bradford, Pa.

# Oil refined 117 years ago marketed as medicine

#### Fireworks Show Revives History

The Yellow Dog is a symbol in of the early day oil fields, and along with furnishing light for the early cable tool drilling I rigs, it has had several other t

The two spouts of the Yellow Dog were stuffed with candle wicking, and the body or reservoir filled with crude oil, kerosene, or later on, fuel oil. When lighted, three or four Yellow Dogs produced enough light for

#### Depth of sand in area led to some dry wells

The early wells drilled here in the middle-60s which stopped short of the Bradford Sand, were thus drilled, according to Charles R. Fetyles' "Bradford Oil Field," because of the mistaken notion of the operators that oil would be found in oil sands of about the same depth along Oil Creek in Venango

Hence, the failures resulted because the Venango oil sand group crops out in the Bradford District and the Bradford Sands occur much lower in the geologic column.

Dr. Fetyke says the producing sand is still called the Third sand here as a result of the early erroneous correlation with the Third sand of the Venango district.

#### NPOPA formed to advance oil in Bradford area

Predecessor of the Bradford District Pennsylvania Oil Producers Association was the Northwestern Pennsylvania Oil Producers Association, formed in 1918 to advance the cause of the Bradford Field.

First officers were: F.D. Wood, president; Lewis Emery Jr., vice president; Hugh Grant, second vice president; George Bovaird, treasurer, and E.S. Weber, secondary.

Formation of the group is considered by many as the beginning of the scientific de pelopment of the Bradford I

abol the driller and tool dresser to

The job of keeping the Yellov Dogs burning brightly fell upon the tool dresser. Periodically throughout the night he would have to brush off the accurant lated soot deposits; trim the wicking and refill them with oil He always had a pail of wates close at hand as usually the Yellow Dogs would bell over and a hot fire would soon be

One of the disadvantages of the Yellov Dog, and a costly one both to the contractor and producer was that when "dcilling in" (when the oil or gas sand was reached), drilling operations were confined to daylight. So, drilling in a well was a daylight job in the days

d In the gas fields, the Yellow 1, Dogs went out of use as light on with the invention of the Moor d Steam Generator. But the old Steam Generator, But the old Steam Generator and the Steam Generator and the Steam Generator in the Wench of the Steam Generator in the Wench of the Steam Generator is successful for a weight on the wrench in poles of the standard rigs.

In the Bradford Oil Field, they were last used on the South Penn Oil Co. rigs. In 1935, they were replaced by Kohler light plants.

In the days when they were used for lights, it was hard to tell the drilling crew from soft coal diggers when they came off tour. There was little regret and few tears shed when the Yellow Dog disappeared from the drilling rigs.

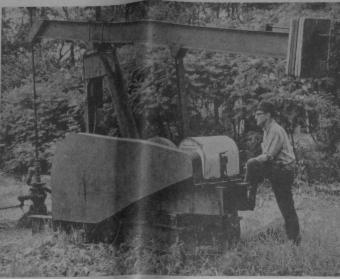
Today, the Yellow Dog is one of the most prized collector's items from the early day oil era. Depending upon condition, and if the Yellow Dog is complete with bail and lid, it may bring as high as \$50, depending

The Bradford Landmark Society has produced a scaled down Yellow Dog (1-3 size) made of cast iron, authentic to the smallest detail.

These will be on sale by several Main Street merchants and supply companies, and at outlying gift and souvenir shops, or may be purchased from members of the Bradford Landmarks Society. Proceeds will be used toward the construction of an early oil field village.

CENTENNIAL N

The Union Pipe Line Co. pumped its first oil from the Bradford field to Olean, N.Y.



OLDEST PRODUCER.—What is believed to be the oldest producing oil well in the Bradford Field is owned by James, Bauer, 790 E. Main S. The well, drilled on John F. Makin's "progress" in Soptember of 1875, till produces about high-barrier a day. The lease is only a few hundred feet behind the Witco-Kendall office building, Mr. Bauer cleaned the well out in 1953 and had it electrologoed by Birdwell. The original casing is still in the well, The record shows that 207 feet of driven and 320 feet of 5 %-inch casing was set. The Third Sand was topped at 1005 feet and at the bottom at 1042 feet, No pocket was drilled; so, the total depth is 1042.

## Discovery wells drilled

Oilmen with special background in the Bradford Field believe that there were probably five or six early wells drilled far enough apart geocraphically within the field that

Storm sends lightning

The Bradford Era of Sept. 27 1882 carried this item:

during the storm, the rig at Messrs. Kearns and Vosberg's No. 1, Quintuple tract, was struck by lightning and destroyed by fire. Fortunately they had run the oil from the tank a few days previous or more serious loss might have been sustained to adjacent

uld be called "discovery even though — as it out — they were all a what was to be defined Bradford Oil Field, brilled by the late Sen.

One drilled by the late Ser Lewis Emery Jr. in Toad Hotow was started in November of 1875 and was completed the ollowing January.

It is on the Tibbits lease, less than a half-mile from the Minard Run Co. office in South Bradford. The lease is still producing commercial quantities of Bradford Pennsylvania Crude under waterflooding.

The area surrounding this was being extensively drilled by 1878-1877. While the date of the Job Moses Well is 1871, the "real oil excitement" and production began in earnest in the niddle 1870s, some all feld his

STARTER ON FARM

Wesley Chambers, who with Tidioute where he transported the framed Capt. J.T. Jones oil with teams and barges in started the Bradford Oil Co., worked on the home farm and

on the nome farm and school before going to Boost Bradford Crud

WE ARE HAPPY TO BE PART OF THE BRADFORD OIL INDUSTRY ANNIVERSARY

#### **BRADFORD ASSOCIATES**

INSURANCE

HOOKER FULTON BLDG. BRADFORD, PA

Bradford Mall gears for Centennial

Merchants at the Bradford Mall at Foeter Brook have banded together to present special Bradford Mall Centennial Sales Days during the regular 10 a.m. to 10 p.m. store hours. Thursday through Saturday. Store employes, garbed in a time of the early days, will be

Store employes, garbed in attire of the early days, will be competing for special awards for their costumes. The Bradford Art Center will have an art show and sale Thursday through Saturday.

There will be demonstrations of "bit dressing" in the Mall parking lot on a continuing schedule from noon until 8 p.m. on the three days.

feet north of the Mall on Saturday at 2 p.m., followed by the "Grand Old Man of Oil" ceremony for J.B. (Jake) Randall of Duke Center on Saturday at 2:30 p.m. in the Mall parking

DANCING SLATED

Just as there will be squar dancing for the Bradford O Centennial Friday at 8 p.m., s The Era of Aug. 19, 1891 just 80 years ago — announce a dance to be held at Foste Brook, with transportation b train for 75 cents. WE EXTEND OUR SINCERE CONRATULATIONS

Bradford (Pa.) Era, Tuesday Aug. 17, 1971—19-A

TO THE

ON



CHODROW ELECTRIC CO.

28 MAIN ST. BRADFORD, PA.

VE HAVE JUST PURCHASED NEW COMFORTABLE, QUALITY SHOES AT THE ASH SHOE STORE SO . WE WILL BE ABLE TO TAKE





ug. 16 — Aug. 22

THE MANAGEMENT AND STAFF OF OUR STORE SALUTES THE BRADFORD OIL INDUSTRY ON 100 YEARS OF GREAT ACHIEVEMENTS!

ASH SHOE CO.

25 MAIN - BRADFORD, PA.



Our Compliments to the Oil Industry On 100 Years of Progress

Hugh A. Grant

BRADFORD

## Our business is packaging.

## But you could say we're in oil.

Corrugated shipping containers for motor oil (and for a lot of other things too) are produced at the Owens-Illinois box plant in Bradford. So, while our

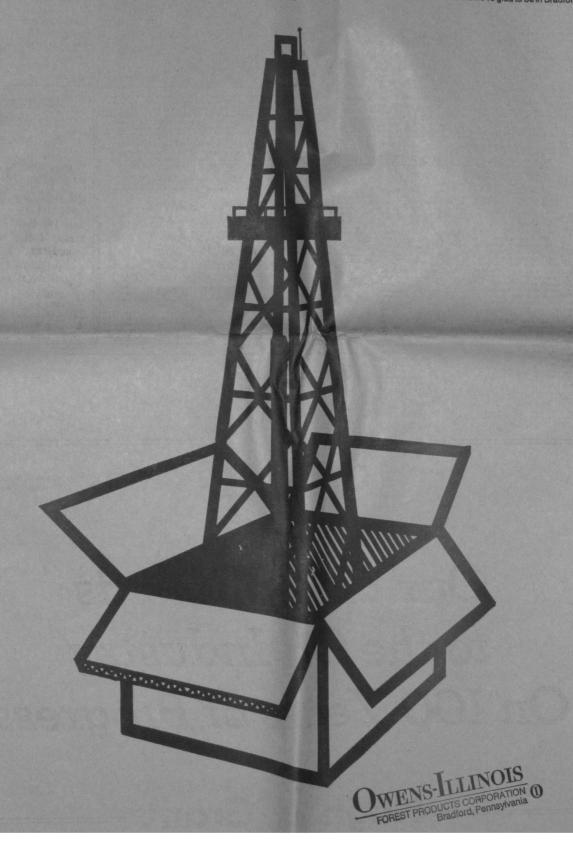
specialty is packaging, we're definitely part of the oil industry.

Since the discovery of oil in the Bradford field one hundred years ago,

a world-wide reputation for premium Owens-Illinois congratulates the

Pennsylvania oil industry on its 100th anniversary. We're glad to be in oil.

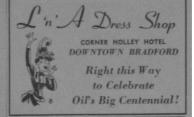
And we're glad to be in Bradford.





Bradford's big boosters

Ralph T. Zook was one of



A GREAT WEEK COMING — FULL OF EXCITEMENT — JUST AS THE DISCOVERY OF OIL WAS IN THE BRADFORD FIELD.

COMPLIMENTS

TO THE BRADFORD OIL INDUSTRY

ON YOUR 100TH. BIRTHDAY !



• JACK & JILL SHOP •

117 MAIN - BRADFORD

LIKE THE OIL BUSINESS . THE MUSIC OF TODAY HAS COME A LONG WAY!

WE WISH TO CONGRATULATE ALL IN THE BRADFORD OIL INDUSTRY



May the next 100 Years be as Successful--

MINARD RUN OIL CO.

BRADFORD, PA.

## Opinions differ on height of standard drilling rig in Bradford oil field

#### Music mountain pool discovered with wildcatter

Students art work

# HAPPY **BIRTHDAY!**

HAHN SCHAFFNER

INC.

BOLIVAR NEW YORK

## First Bradford producer drilled at Foster Brook

Memorial visit of well

PROGRESS FOR MILLONS THROUGHOUT THE WORLD FROM THE BRADFORD OIL INDUSTRY CONGRATULATIONS

HERMAN SWANSON

TRUCKING
34 CLINTON ST. BRADFORD, PA.

# AMERICAN GLYCERIN COMPANY,

OIL AND GAS WELL SHOOTING SINCE 1913

56 Barbour Street

Bradford, Pa.



## STATIONS:

Rock City, New York Titusville, Penna. Bradford, Penn'a. Huntington, W. Va. Salem, Illinois Oil Springs, Kentucky

Carmi, Illinois St. Elmo, Illinois Greenville, Kentucky Bolivar, New York Rodney, Ontario New Harmony, Indiana Beattyville, Ky.

Owensboro, Kentucky Mt. Carmel, Illinois Robinson, Illinois Casey, Illinois Paintsville, Kentucky Tulsa, Oklahoma

"We Will Do It Again!"

# Antique Auto Show to be at Bradford National lot

As part of the Bradford Adl Centennial, the Bradford Landmark Society will spousoe an Antique Auto Show no Saturday at the Bradford National Bank parking lot, Main Street, Chair ing this event is Robert F. Silke, Jr., for honorary chairman for the late W.W. Robertson, who died shortly after be had the show wall mades were

Registration will be until 1 p.m. at which time judging will commence. This year's judging team will be beaded by Hilton 'Woody' Woodruff, assisted by Patrick J. Costello.

There will be 11 classes, three places being awarded to each The eleven classes are Lafe production 73–46, early production 73–26, early production 73–28. Model a Food breas, Model a Food steel, special interest 43 57, Model a Food speak Model a Food closed, antique, commercial, and an award will be given through the courtesy of Alect This will be courtesy of Alect This will be a large sitter hooft engraved

with recipions a name and class. Brackford Landmarks has tied the theme of oil into the auto-show by using miniature yellow dogs as awards. A ribbon will designate the place. These should be cherished as a new and different trophy of the Antique Auto Patch.—another firms for Readient.

#### No permanent harm from 1969 oil spill in Calif.

The 1809 oil spill in Sarta Barbara channel in California has done almost no permanent damage to snimal and plant life. This represents the findings of a research team from the Driversity of Southern California headed by Dr. Dale Straughen, research associate at the college's Allen Hencock

The scientists found it difficult to distinguish between the effects of the oil and the effects of pesticides which come from streams and rivers in the Venture and Souta Berbara County

A continuous amount of natural seepage known to occur in the area could have caused the marine life to develop a tolerance for oil, thereby reducing the effect of the sell.

If the weatherman look favorably upon Bradford, showing of 100 or more antiqua autos showing of 100 or more antiqua autos showld he had. Entre are expected from the sur rounding cities as for as Pathburgh and Rochester. NY Same will store their prirect vedicide in the Star Garage.

Some of the makes and mooi ele that have attended the Brackford shows before are. Model A. 1885 Chrysler, 1985 Houses, 1985 Chrysler, 1985 Houses, 1985 Dodge, 1986 Willes Knight, 1986 Chrysler, 1987 Packard Took Car, early Cadillacs and Buicks, and many more. All represent craftmanship to the highest degree.

Oil and oilfield products will be given to each entrant to the antique auto show, through the courtesy of Witco Kendall and

As an added attraction, there will be a display of early one cylinder gas and steam engines. Area collectors will be showing and demonstrating these builting and politing, clattering an banging one lungers the entire day in an area within the Brad ford National parking lord.

In the day before the electric light, these little engines were used to operate water purpos, saws, machine shop equipment, creamery separaters and even churns. Of course they played an important role in the oil patch, too, pumping water to the drilling rigs for drilling operations, and pumping oil through the rate lives.

Most every machinery maintains facturing company turned out these little engines ranging from 1 to 10 horsepower, depending on its purpose. Some ware cooled with water while others used air. Some of the early engines used a hot tube for ignition, some used ingitter, and most of the later ones were equipped with magnetor. These promises to be a real treat.

Cars will begin arriving about 8 a.m., and the area will be open from then until 4 p.m. The miblic is invited

SHERIFF'S SALE

The Era on Oct. 4, 1882, an nounced that the property of the Petroleum Age had been sold the day before by the sheriff to Matthews, Northrup & Co. of Buffalo who held claims for noticities.



EARLY SHOOTHNO WAGON — The legend on the wagon reads: "Rock Glycerine Co, Torpedoet," and the two-berse drawn wagon is frield sementhing to behold. Even the horses were colorful — one, white; one, dark. The driver, who holds th reins with a lock of concentration on his fack, is unidentified. Note the large hat it, his left hand — probably a great protection from the heat of steamy summer days. Many a Sylverine wagon and later truck have traveled these hills and valleys in the past 100 years of Bradford Pennsylvania Grade Crode Gill Phote courteey, Producers Monthly files.

# Producers Monthly, petroleum technical journal, served oilmen over wide area for over 30 years

Producers Monthly, a technical journal which specialized it stories about secondary recovery, performed a useful service for oilmen for over 30 years. It was founded in November of 1836, while Cornell Prohl Jr.

It was founded in November of 1996 while Cornell Photh It was Bradford District president when unanimous approval was given to a motion for its establishment by the late H.J. (Doc Walter, seconded by C.E. Streeter.

placed the unmengraphot bulle tin published by the association in its earlier years. The lat G. Geraid Bauer, association secretary was founding edition and held the post until his since pected death in the late 1980s.

R. was operated then he are

pected death in the late 1950s. It was operated then by private interests and continued a enjoy wide circulation and produce articles of interest to many years, until conclusion opublication, a few years ago.

Circulation at one time was 1,500 or more with a magazine that went into every off feel in this country where secondary recovery methods were being used and into 31 other countries

Producers, engineers, manufacturers and oil supply and service companies supported the publication for many, many years.

And that is how Aiken got its name

Frend Martin Aisse landed in Bradioro in Isra land a epened the Aisen district in the Brad ford field. The community of Aisen, which became famous in the annals of cell, in named after him. Later he Optimal successfully in the most we-sarrly fields including the Mid Cagliment.

s reputation was worldwide During its fina the technical and practical editorship was a published on secondary re-Parooq All, as 87°, by waterflooding and air prijection. 1308, publication was taken State Universit by Producer's Publishing of companion.

Co. a focal business group that continued to publish the magatine until January of 1969 when it was phased out because of a decline in oil production and reduced advertising support. Until the very last issue. Producers Monthly upsied its reputation for high quality techmical and practical information.

venango Background Lewis T. (Uncle Dudley) master, partner in many of n Lewis Emery's componies, gan his career "working yand wells" in Venango Counin the late 1866s, becoming producer in Clarion County During its final three years, the editorship was held by Dr. S.M. Faroog All, assistant head, De partment of Petroleum & Natural Gas, the Pennsylvania State University. Today, man oll companies continue to request back issues for information vital to the field of second any recovery.

Well flows at rate of 720 barrels - but it is only water

July 35, 1891

Talk about hig wells, there is a well just drilled in the village of Angelica, up in Allegany County, which at a depth of 110 feet is flowing at the rate of 720 barrels daily. But, it is plain, every day water, so don't all rush to get leases in the new

#### Custer City had well in 1865

The year the Civil War ended — in 1863 — F.E. Dean and his hordners drilled a well to 900 feet on the Sheppard farm (was this where Shep Run got its name?), near today's Custer City, Drilling stopped about 230 feet above the Beadford Sand.

Roman writers called oil deposits Bitumen

The word naphtha comes om the Russian nafata, to exle. Russians call all petroleum

The Roman writes Strabo and Pliny in the time of Christ, called burning surface oil deposits, bitumen and liquid candidum.

During the first half of th nineteenth century, salt well were often abandoned who evil smelling petroleum ap peared.

SOUVENIR SPOON
Just as souvenirs of the Bradord Oil Centennial are availtible, so they were in August
I IRRI when The Era announcd that Stewart, the jeweler
has received the souvenir
poon for the oil country.

#### 100 YEARS OF THE FINEST



CRUDE IN THE WORLD

CONGRATULATIONS

Francis H. Colligan
AGENCY
7 Main St. Bradford

## COMPLIMENTS

TO THE

OIL INDUSTRY

ON

100 YEARS
OF PROGRESS

AIRCO SPEER ELECTRONIC COMPONENTS RESISTOR PLANT

BRADFORD, PA.

# Quaker State people are working for a better community.



From the board chairman to the maintenance employees, Quaker State people are working for a better community. They are active participants in civic, religious and fraternal organizations which are making positive contributions to the economic and social welfare of their localities.

For them, participating in community affairs is a form of adult education . . . providing personal benefits from learning how to do new things, from working with others in a spirit of cooperation, and from contributing their own ideas, skills and experience. They are competent, dedicated people who have the desire to help set community goals, to recognize problems and to work toward their solutions.

Unselfishly devoting their time, energy and money, they realize that every individual has a stake in the community in which he lives and works. This is one of the primary reasons they promptly meet the challenges facing them as individuals, parents, taxpayers and citizens. Quaker State people are involved. They are your friends and neighbors.

# FIRST

- \* The Bradford Oil Field Producers and oil men are known the world over for their many noteworthy "Firsts."
- \* Bradford Crude Oil Is recognized everywhere for being "First in Quality"...



We are particularly happy to add our Congratulations to all on this important Centennial Celebration...

And,

Here's to another 100 years to the world's Finest Crude Oil from the World's Finest Cutlery.

ASE

W. R. CASE & SONS CUTLERY CO.

Manufacturers of Quality Cutler

BRADFORD PA.



## WESB to air long schedule of Centennial events in Bradford

#### Bradford Club sets open house

for this Sunday

#### Reception is held for show patrons

Our Best Wishes

on the 100th

ANNIVERSARY

BRADFORD OIL

SWEELY'S

Pharmacy 422 EAST MAIN ST.



from the banks of the Allegheny . . .

## WE SALUTE BRADFORD OIL FIELDS



We Salute the Oil Industry On This Great Centennial and Upon the World-Wide Attention It Has Focused Upon Our Area.

# FIRST NATIONAL BANK

ELDRED. PA.

"The Bank of Friendly Service!"

## Moonlighters, go-devils, used often

## Kiwanis Club hosts

l solutions were un-and a wooden ball Boost Bradford Co

## CONGRATULATIONS

OIL INDUSTRY

100th ANIVERSARY

R. M. HULINGS

SURVEYOR DERRICK CITY

## We're not quite this old...



But...this year we are CELEBRATING 44 Years EXPERIENCE!

1927 OTTO TORPEDO CO. 1971

Yes, the Otto Torpedo Company marks 1971 as their 44th year of shooting service in the famous Bradford Oil Field.

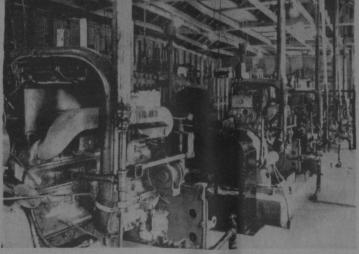
EXPERIENCE . . . ACCURACY THOROUGH ATTENTION

are yours when you shoot with us,

## OTTO TORPEDO COMPANY

Ph. 966-3277 DUKE CENTER, PA.

## Waterflooding is leading contribution of Bradford's oil field to the petroleum industry



#### Bradford granted city charter in early '79

BRADFORD'S OIL INDUSTRY

OUR VERY



## GENERAL ROOFING

## 100 Years of Progress

significant year in the history of our fine



#### CITY CREAMERY CO.

## Our CONGRATULATIONS To the Bradford Oil Industry On 100 Years

SEAN P. FENSEL MANAGER

C. ROBERT CONAWAY ANTON A. FENSEL

PETER T. FENSEL F. J. NEWMAN

ERNEST A. THOMPSON



SINGER DEANE & SCRIBNER

## "All Aboard!" To join in celebrating Bradford's

Oil Centennial. We're proud to be associated with such fine men in a great industry.

#### DOW & COMPANY, Inc.



## "Everybody's Talking...'

About the Bradford Oil Centennial. We are too. It's a memorable event for our community, and our hats are off to the Bradford men and women who helped make it all possible.

#### BRADFORD LAUNDRY & DRY CLEANING

210 LANGMAID LANE



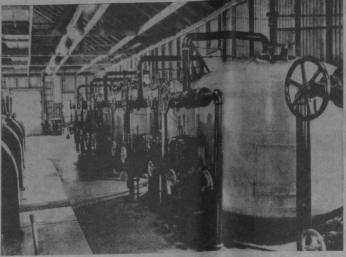
to all our friends in the Bradford oil fields during Oil Centennial Week

#### HARVEST BARGAIN CITY

200 W. Wshington St. Bradford

#### WATERFLOODING

#### Exchange, Lions ponsor carnival





BRADFORD



acknowledge this outstanding

#### BRADFORD MILK COMPANY

#### First drilling tried in 1862

Through 100 Years, Bradford Oil Industry Has Been An Important Link In The Petroleum

WE SALUTE YOU . . .

#### SEHMAN'S TIRE SERVICE



# **Partners** In Progress!!



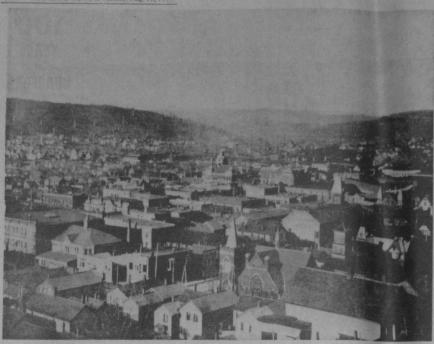
# Our Congratulations

to the

Bradford Oil Industry

On This Great Celebration...

CORNING GLASS WORKS BRADFORD PLANT



BRADFORD FROM QUINTUPLE—This was the way central Bradford looked from a vantage point on the Quintuple late in the 19th Century.



ROAD SCENE NEAR DECOLIA in the closing years of the 19th Century when horse-drawn vehicles service the Bradford Oil Field. Note the derricks on left side of the photo. Note, too, the young man, getting a "rough

## Gallery seats sold on local oil exchange

with a previous announcement the seats of the gatiery in the Exchange were sold to the highest bidder. There was a large attendance in the rooms of the Exchange and the bidding was

There were 27 seats sold in the front row and 22 in the second row. Each seat in the former line rented for \$40 per year and in the latter at \$30 per year. The total amount realized from the sale was \$4,30 and \$40 color President Wheeler

#### Firemen's Museum to be staffed by Landmark Society

In addition to sponsorship of the annual Antiques Show in Pitt Bradford's Emery Emneering Center, 45-47 Manis St., members of the Landmark Society are staffing the Firemen's Museum on the second floor of Central Fire Station. Chestnut and E. Corydon Sts. from 9:30 a.m. to 5 pm., through Sat

arday.

Bradford is renowned for the many volunteer fire companies that served the area before creation of the Bradford Fire Department. Interesting memorabilia of the early days of frestinding uses on display.

which could be bid would simp

## Bingham given initial patent

The priginal patent to Warrant No. 1986, of which Bradford is a part, was issued to William Bigham over the signature of Gov. Thormas Mitflin on Dec. 12, 1994. The parchment Commencealth at Jached has been embellished with notes of several transfers of ownership. The original document is in the files of Victor M. Samuelson, real ex-

#### Oil often hidden

with the Seneca Oil Spring a a spot near Cuba, N.Y., discovered by Franciscan Fr. Joseph de la Roche D'Aillon in 1827 the absence of surface indications is no proof that oil will not be found.

not be found.

It may be that the oil, i there, is sealed so efficiently that it cannot escape. Thus whether or not if is present in commercial quantities can be determined only be delilling.

The bidding was lively and not more than an hour was consumed in selling the 49 seats. First choice sold at \$30, and from this there was a gradual advance, the highest being \$76 premium, which added to the rental amounts to \$116 for a year. Others sold for \$30 to \$11, and the lowest premium for

uing them to a seat in the gallier, will be permitted to loan them to any person they choose, and a messenger will be provided at the expense of the Exchange to carry messages to carry will enable the occupants of the latter to Iransact business quite will enable the occupants of the latter to Iransact business for them. The amount realized by them to the messages of the messages to the messages

REFINERIES NUMBERED
An Era article in 1946 report

#### Origin of crude seems organic

Petroleum, unlike coal, re tains within itself no visible evidence of the material from which it was formed

In Dr. Arthur Holmes' boo "Principles of Physical Geogy," he points out that has been suggested pure speculatively that oil me have been formed by volcan or deep-seated chemical processes akin to the production activation of acetylane by the action.

However, Dr. Holmes comments: Sut these hypotheses are quite incompatible with the geological distribution of oil and with certain peculiarities of its composition and properties. All the relevant evidence points convincingly to an organic origin."

#### Capt. J.T. Jones once top producer

Capt. Joseph T. Jones, found er and later sole owner of the Bradford Oil Company and the largest Individual producer; it has Parafford field at one time later a ratiforal magnate and later a ratiforal magnate and electric traction pioners array et al. [1] (Pock in 1985 at the age of 23. He promoted an chelled 15 dry holes before he got a well which started him or a well which started him.

## Do You Remember Noise of the Barker?

"The Barker," what does it a

To those of high school age, it probably will immediately call to mind the title of the Bradford High School Year Book adopted in 1928.

The old timers, however, will et their minds drift back in etrospect for a far different neaning.

Webster says: "A barker is a person who stands outside of a side show or place of amusement to attract attention of passersby."

se probably was not too family are with the early oil field days In the "Naughty Eighties" and "Gay Nineties" a barker as used in the Bradford or leided, was a whistle like conraption attached to the exhaust also and the state of the state

Steam power, in those early oil country days, was used it pumping oil wells and a steam engine functioned at every pumping oil well in every pumping oil well. In every direction from the boiler house attended the "steam boxes" which carried the steam line which carried the steam line of oil wells and sheltered the boiler which generated the boiler which generated the steam used to pump the wells.

Some wells were 1,500 to 1,800 feet away in the deep woods or over and down a small ravine. These were the wells which were always equipped with a barker.

In the winter the pumper sai in the warm boiler house, or in the summer "vested" just outside the boiler house doe: if no one was around, on a hammock made from wooden sugar barrel staves. From this spot, with his keen and barken minded ear, he could detect that the whistling of the device had increased in volume indicating that the well was pump

Penn Grade unit

marks 48th year

Barkers were of various de signs and could not be purchas ed in the oil well supply stores. They were the invention of the individual pumper, with the whistle type the most popular. One important thing in their construction was that they be ccomplished by the depth of se cut in the whistle pape or y placing an emply in can ver the end of the gadget.

Today, in this age of electricity, gas and airpower, a barker so typical of the Bradford oil country, is but a topic of conversation when old timers meet.

Chamber of Commerce welcomes visitors

Visitors for the Brackford Oil Centennial this week will find a friendly welcome at the Brack ford Area Chamber of Commerce Information Booth at Main and Davis Sts.

Main and Davis Sts.

In addition to general in formation, members of the Desk and Derrick Club, who are staffing the booth from 9:38 a.m. to 3 p.m. daily, have a variety of informational data mementos and souvenirs of the Bradford Oil Centennial available.

HAPPY 100th

from all the nice people

JACOBUS POKLAR MOTORS

KANE, PA.

A PROUD SALUTE TO

#### BRADFORD'S OIL INDUSTRY ON THEIR 100 ANNIVERSARY

We're happy to join to many others on this great occasion

## REISNER AUTO PARTS

32 N. Kendall Ave. Bradford, Pa.

WELL SELL PENNZOIL
PRODUCTS PRODUCED
FROM LOCAL 100% PENNA.
GRADE CRUDE OIL

#### SOUTH PENN SERVICE

PENNZOIL DISTRIBUTOR 156 SEWARD AVE BRADFORD, PA.



## Which came first?...

WELL, naturally the discovery and production of Petroleum was first. Otherwise, we'd all be walking . . . paddling . . . or on horseback.

It's a lot easier and quicker - driving!

Many oil production and refining techniques, and automobile inventions were made right here in the Bradford area. Old timers recall the Holley Carburetor, etc. And, when it comes to Oil, almost everybody concerned knows about Famous Bradford Crude.

We are proud to salute the Bradford Oil Industry!

#### BRADFORD AUTOMOBILE DEALERS ASSOCIATION

CASEY COLE CHEVROLET, INC. RINK BROS. STAR GARAGE CO. FAIRWAY FORD
WEST BUICK CADILLAC

# Pennzoil United

Penn Grade crude oil was the very first natural resource in Pennzoil's history. It still stands tall in our picture.



Pennzoil United, Inc. 900 Southwest Tower Houston, Texas 77002

Bradford Offices 54 Boylston Street Bradford, Pennsylvania 16701

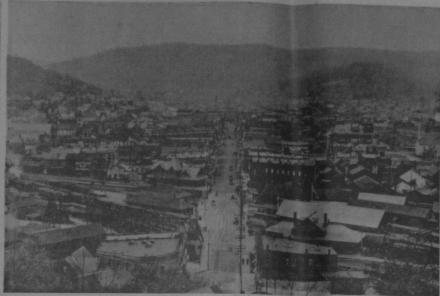
The billion-dollar company that is deeply concerned with the earth's resources.

Principal subsidiaries: Duval Corporation • Pennzoil Producing Company • United Gas Pipe Line Company

#### Here's report on drilling back in 1891

July,		100000			
2017	****		Wells		
	Comp. Prod.				
Bradford-	20111				
Allegany	44	239	3		
	36	295	3		
Ven, Clarion	91	471	0		
Butler-Armsting		1568			
Southwest		3970	40		
Wells Comp	324	6543	67		
June	364				
Difference	30	1280	9		
Drilling	Wells				
and F					
Bradford	22	34	56		
Middle Field	15	24	39		
VenClarion		43	92		
Butler Armst'g			100		
Southwest		248			
Total	182	420	602		
Total May 31	234	407	641		

Co	Comp. Prod. Dry			
Allegany-				
Bradford	. 24	132		
Middle Field		358	2	
VenClarion	. 64	313	1	
Butler-Armsting	48	911		
Southwest	134	3519	47	



A Special Salute to the Bradford Area Oil Men ... **CANTWELL-JOHNSON** 434E.MainSt.

Bradford



## Excitement gripped city as oil hit \$1 bbl. in 1882

#### Mahoney named to region post on API group

With Pride And Pleasure ...

> On this 100th Anniversary, it is with pride and pleasure that we salute Bradford's Oil Indus-

Barnsdall's, Inc.

## John De Petro

Registered Petroleum Engineer

Serving the Oil Industry For Over 35 Years

TERMINAL BUILDING

BRADFORD, PA.



The "Yellow Dog" symbolizes light, versatile performance, and service. It was chosen as an appropriate symbol for Forest Oil Corporation.

Our appreciation to the thousands who have contributed to Bradford's 100 years in oil.



Forest Oil Corporation

A Bradford Company

1916 - 1971

# **OUR SINCERE**

of Producing the Finest!

**Bradford Home Appliances** 

115 Main St.

"Sincere Congratulations to Bradford OIL" ON 100 YEARS



After 40 years in business ourselves . . . We're happy to salute the grandaddy of 'em all - Happy Centennial!

#### CUSTER CITY OIL COMPANY

BRADFORD, PENNSYLVANIA



AllMy

Friends

in the Oil Industry



## Crude oil prices in '46

Rolling Merrily Along!

"100"

Rudolph C. Nelson Agency

two languages

Col. E. Drake oil's discoverer

died in poverty

Water search

#### 'Petroleum' from Localities active in Oil Centennial

The Bradford (Pa.) Era, Tuesday, Aug. 17, 1971-31-A HAPPY TO HAVE SERVED

THE OIL INDUSTRY FOR THE PAST QUARTER OF A CENTURY

TECK -- LABS

CHEMICAL & PETROLEUM ENGINEERS DR. JOSEPH N. BRESTON

## McQuilkin Plumbing

We are pleased to add our Best Wishes to the thousands of others today to the Famous Bradford Oil Industry!

BROASTER

WISH TO ADD GOOD WISHES TO THE OIL INDUSTRY OF

BRADFORD



THE BROASTER KENNEDY



# Congratulations!

from the

Hanley Company

Established 1893

#### CONGRATULATIONS TO THE BRADFORD OIL INDUSTRY

The record of 100 years of continuous Oil Production is one to be proud of, and on this great occasion we join with the Bradford community in public recognition and commemoration of our Centennial

Pennsylvania Grade Crude Oil Assn.
National Transit Bldg. Oil City, Pa.

## Classroom is converted into miniature oil field

Congratulations

On A Century of Great Progress in Oil ...

#### Oil well shooting keenly expected



PRODUCERS PETROLEUM EXCHANGE before the turn of the century, on the present site of the Odd Fellows Building. Note that Post Office occupied

## Second Crude Oil Exchange formed here in 1882

It's A Pleasure

versary.

to extend our Congratulations to Bradford Oil

Men on their 100th Anni-

**Bradford Meats & Provisions** 

Ventron

On the Bradford Horizon

Extends



Sincere

## CONGRATULATIONS

To Bradford's Oil Industry On 100 Years Of Progress

## W. O. KESSEL CO., INC. B-BElectric Supply Co.

Bradford Methods of finding, drilling, producing, refining, marketing of oil have put our community on

## Bradford's OIL CENTENNIAL

"... truly an electrifying, community-wide event!"

A message to -

#### THE BRADFORD OIL INDUSTRY!

note the Centennial Cele bration this week of the founding of your great industry right here in Bradford. Your fame and growth is recorded all over the world.

Congratulations from

**Hugh Johnson & Company** 



OIL Excitement

Everybody is excited about BRADFORD OIL CENTENNIAL WEEK

Parade expected to draw thousands

Main & Congress ARCHER'S

distinguished portrait in oil! lastingly

By Bradford's Pioneer Oil Men PROPER'S

GREENHOUSE 350 W. WASHINGTON ST.

THIS YEAR MARKS **100 YEARS OF PROGRESS** IN THE OIL INDUSTRY

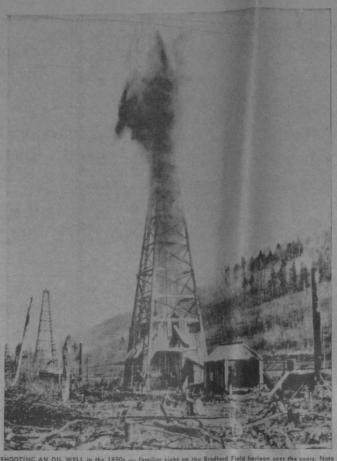
CONGRATULATIONS

McCRORY'S

Corp.

A New Name

#### Oil industry to achieve goal of needs of future



## Retired oil executive donates land for park

OIL WAS DISCOVERED IN THE

BRADFORD FIELD! WE CONGRATULATE THE BRADFORD OIL INDUSTRY ON THIS THEIR 100TH BIRTHDAY!



We are particularly proud now to be a part of and Congratulate the great Bradford Centennial 1871-1971.

AUGUST 16 TO AUGUST 22 ARE GOING TO BE GREAT DAYS IN THE



"OLD OIL TOWN" COME TO BRADFORD

THE OIL METROPOLIS OF THE WORLD"

## CLARK & HUMPH



#### Conservation of oil field advocated '82



Wonderful 100

**Our Congratulations** and Best Wishes!

#### RUBIN'S

READY-TO-WEAR 8-10 W. WASHINGTON ST.



We are very happy to **Extend Our Best** 

## CONGRATULATIONS

to the Great

# **Bradford Oil Industry**

100th Anniversary!

## **JONES & LAUGHLIN Supply Division**

106 Main St. Bradford



ST. JAMES HOTEL — This historic hostelry at the head of Main St., where Emery Hall now stands, pla munity. The picture was taken in the 1890s.



OLDEST HOUSE IN CITY — At the turn of the century, the P. L. Webster house on the southeast corner of E. Corydon and Chestnut Sts. was listed in a folio of pictures as the oldest residence in the site. The Bradford Post Office occupies the location today. Note St. Bernard's Church in the background.



made products for oil business

Bradford Field

Area Oil People

ctive Citizens

#### PMOC founded in local area back in 1943

BRADFORD OIL THE BEST IN THE WORLD

CONGRATULATIONS ON 100 YEARS

S. M. GLEASON CO., INC.

HOOKER FULTON BLDG. BRADFORD, PA.

## **OUR COMPLIMENTS**

TO THE

OIL INDUSTRY ON 100 YEARS OF PROGRESS

#### **EVAN'S ROLLERDROME**

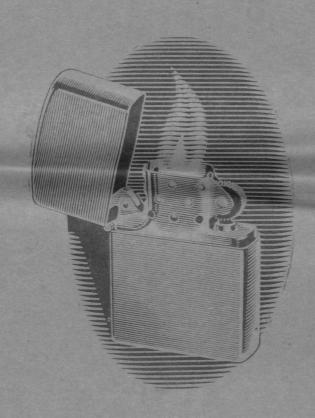
SENECA PRECAST PRODUCTS CO. 1020 E. MAIN ST. BRADFORD, PA.



#### THE WORDS WE LIVE BY







THE LIGHTERS THAT WORK ... OR WE FIX THEM FREE

ZIPPO MANUFACTURING CO. BRADFORD, PA.
ZIPPO MANUFACTURING CO. CANADA LIMITED NIAGARA FALLS. ONT.