

THE GEOLOGICAL SURVEY OF WYOMING

Daniel N. Miller, Jr., State Geologist

BULLETIN 58

BIBLIOGRAPHY OF WYOMING COAL

by

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January, 1974



WGS Bulletin 58, ERRATA

- p. 35 DARTON, N.H., reference 4, underwater should be underground water.
- p. 47 FRUCNEY should be FRUCHEY (occurs as Frucney throughout the book.)
- p. 79 add MOERLEIN, G.A., (See Murphy, S.F., 2) between MOBERLY, R., Jr. and MOGENSEN, P.
- p. 79 MOORE, G.W., reference 1, form should be from.
- p. 80 MURPHY, J.F., reference 2, add (and Privrasky, N.C., and Moerlein, G.A.); also, OM-81 should be OM-181.
- p. 87 add PRIVRASKY, N.C. (see Murphy, S.F., 2) between PRICE, J.D., and PROSTEL, E.
- p. 91 RICE, N., reference 10, Proste should be Prostel.
- p. 107 UNFUR should be UNFER (occurs as Unfur throughout the book.)
- p. 110 VAN LENNEP, D., reference 1, Great should be Greater.
- p. 121 ALMOND FORMATION, Green River Coal Region, Glase should be Glaze.
- p. 134 GREEN RIVER COAL REGION (second column), Rock Springs Coalfield, Pipringos should be Pipiringos.
- p. 157 SUBSIDENCE, Mogando should be Morgando.
- p. 161 WATER IN COAL-BEARING ROCKS, General, Crawfod should be Crawford.

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BIBLIOGRAPHY OF WYOMING COAL

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INTRODUCTION

With the increased coal mining activity in Wyoming, requests for information on Wyoming coal from industry, government and the private sector have steadily increased for the past several years. This bibliography has been prepared to help these inquirers find published information on the State's coal. The bibliography contains not only geological references to Wyoming coals but also non-geologic references to Wyoming's coal mines, coal mining industry and coal utilization. It includes 1,223 references published through approximately July 1973. Although every effort has been made to include all pertinent articles, some surely have been missed. Comments on omitted articles are solicited so that they can be incorporated into supplemental or revised editions.

In the bibliography, authors are arranged alphabetically, and the papers with full title and medium of publication are listed chronologically under the author's name. In cases where the author published more than one article in a single year, the publications are further alphabetized by

co-authors or by the titles of the articles. Undated articles are listed at the end of an author's list of publications.

An exhaustive index is provided. This index includes subject, stratigraphic, and locality divisions. Localities are generally broken down into the ten major coal-bearing regions. In a few cases, they are taken down to individual coalfields. For readers unfamiliar with the location of the coal-bearing regions and coalfields, figures 1 and 2 on pages 12 and 13 show their locations.

ACKNOWLEDGMENTS

The U. S. Geological Survey's Bibliography of North American Geology provided many of the references upon which this bibliography is built. Mr. Paul Averitt of the U. S. Geological Survey is given special mention for his aid in providing several unpublished lists of references.

Mr. Walter E. Duncan, Natural Resources Research Institute of the University of Wyoming, Laramie, is also acknowledged for providing an earlier unpublished coal bibliography by that organization and for making many publications available for proper indexing.

ABBREVIATIONS OF PUBLICATION AND ORGANIZATION NAMES

- AIME - American Institute of Mining and Metallurgical Engineers
- Am. Assoc. Petroleum Geologists - American Association of Petroleum Geologists
- Am. Chemical Soc. - American Chemical Society
- Am. Inst. Chemical Engineers - American Institute of Chemical Engineers
- Am. Inst. Mining Engineers - American Institute of Mining Engineers
- Am. Inst. Mining, Metallurgical Engineers - American Institute of Mining and Metallurgical Engineers
- Am. Inst. Mining, Metallurgical, and Petroleum Engineers - American Institute of Mining, Metallurgical, and Petroleum Engineers
- Am. Jour. Botany - American Journal of Botany
- Am. Jour. Sci. - American Journal of Science
- Am. Meteorological Soc. - American Meteorological Society
- Am. Naturalist - American Naturalist
- Am. Philosophical Soc. - American Philosophical Society
- Billings Geol. Soc. - Billings Geological Society
- Bull. of the Museum of Comparative Zoology at Harvard College - Bulletin of the Museum of Comparative Zoology at Harvard College
- Candeub, Fleissig and Assoc. - Candeub, Fleissig and Associates
- Carnegie Inst. Washington Publications - Carnegie Institute of Washington Publications

Dept. of Trade and Commerce, State of Nebraska -
Department of Trade and Commerce, State of
Nebraska

Earth Science Bull. - Earth Science Bulletin

Engineering and Mining Jour. - Engineering and
Mining Journal

Federation of Rocky Mtn. States - Federation of
Rocky Mountain States

Geol. Soc. America - Geological Society of America

Geol. Soc. of the Oregon Country - Geological
Society of the Oregon Country

Governor's Coal Conversion Conf. - Governor's
Coal Conversion Conference

Idaho Dept. Highways - Idaho Department of Highways

Illinois State Geol. Survey - Illinois State Geo-
logical Survey

Inst. for Briquetting and Agglomeration - Institute
for Briquetting and Agglomeration

Intermountain Assoc. Geologists - Intermountain
Association of Geologists

International Briquetting Assoc. - International
Briquetting Association

International Geol. Congress - International Geo-
logical Congress

Iowa Acad. Sci. - Iowa Academy of Science

Jour. Am. Chemical Soc. - Journal of American
Chemical Society

Jour. Colorado-Wyoming Acad. Sci. - Journal of
Colorado-Wyoming Academy of Science

Jour. Geology - Journal of Geology

Jour. Paleontology - Journal of Paleontology

Jour. Sed. Petrology - Journal of Sedimentary
Petrology

Jour. Washington Acad. Sci. - Journal of Washington
Academy of Science

Mining Congress Jour. - Mining Congress Journal

National Coal Assoc. - National Coal Association

Natural Resources Research Inst. - Natural Resources
Research Institute

Newcomen Soc. of England - The Newcomen Society of
England

Office Coal Research - Office of Coal Research

Philadelphia Acad. Sci. - Philadelphia Academy of
Science

Proc. Illinois Mining Inst. - Proceedings of the
Illinois Mining Institute

Quarterly Colorado School Mines - Quarterly Colo-
rado School of Mines

Rocky Mtn. Assoc. Geologists - Rocky Mountain
Association of Geologists

Rocky Mtn. Center on Environment - Rocky Mountain
Center on Environment

Rocky Mtn. Coal Mining Inst. - Rocky Mountain
Coal Mining Institute

Rocky Mtn. Mineral Law Foundation - Rocky Mountain
Mineral Law Foundation

Rocky Mtn. Minerals Conf. - Rocky Mountain Minerals
Conference, Society of Mining Engineers

Rocky Mtn. Section, Geol. Soc. America - Rocky
Mountain Section, Geological Society of
America

SME - Society of Mining Engineers

Soc. Economic Paleontologists and Mineralogists -
Society of Economic Paleontologists and
Mineralogists

Soc. Mining Engineers - Society of Mining Engineers

South Dakota School Mines - South Dakota School
of Mines

U. S. Bur. Land Management - United States Bureau
of Land Management

U. S. Bur. Mines - United States Bureau of Mines

U. S. Congress - United States Congress

U. S. Dept. Agriculture - United States Department
of Agriculture

U. S. Dept. Interior - United States Department of
Interior

U. S. Geol. and Geographical Survey of the Terri-
tories - United States Geological and Geo-
graphical Survey of the Territories

U. S. Geol. Survey - United States Geological
Survey

U. S. Geol. Survey Oil and Gas Inv. - United States
Geological Survey Oil and Gas Investigations

U. S. Government Printing Office - United States
Government Printing Office

Utah Geol. Soc. - Utah Geological Society

Washington Acad. Sci. Jour. - Washington Academy of
Science Journal

West Virginia Acad. Sci. - West Virginia Academy of
Sciences

Wyoming Bankers' Assoc. - Wyoming Bankers' Associa-
tion

Wyoming Commissioner Public Lands - Wyoming Commis-
sioner of Public Lands

Wyoming Dept. Economic Planning and Development -
Wyoming Department of Economic Planning and
Development

Wyoming Dept. Environmental Quality - Wyoming
Department of Environmental Quality

Wyoming Geol. Assoc. - Wyoming Geological Associa-
tion

Wyoming Geol. Survey - Wyoming Geological Survey

Wyoming Highway Dept. - Wyoming Highway Department

Wyoming Industrial Conv. Proc. - Wyoming Industrial
Convention Proceedings

Wyoming Mining Assoc. - Wyoming Mining Association

Wyoming State Board Equalization - Wyoming State
Board of Equalization

Wyoming State Board Immigration - Wyoming State
Board of Immigration

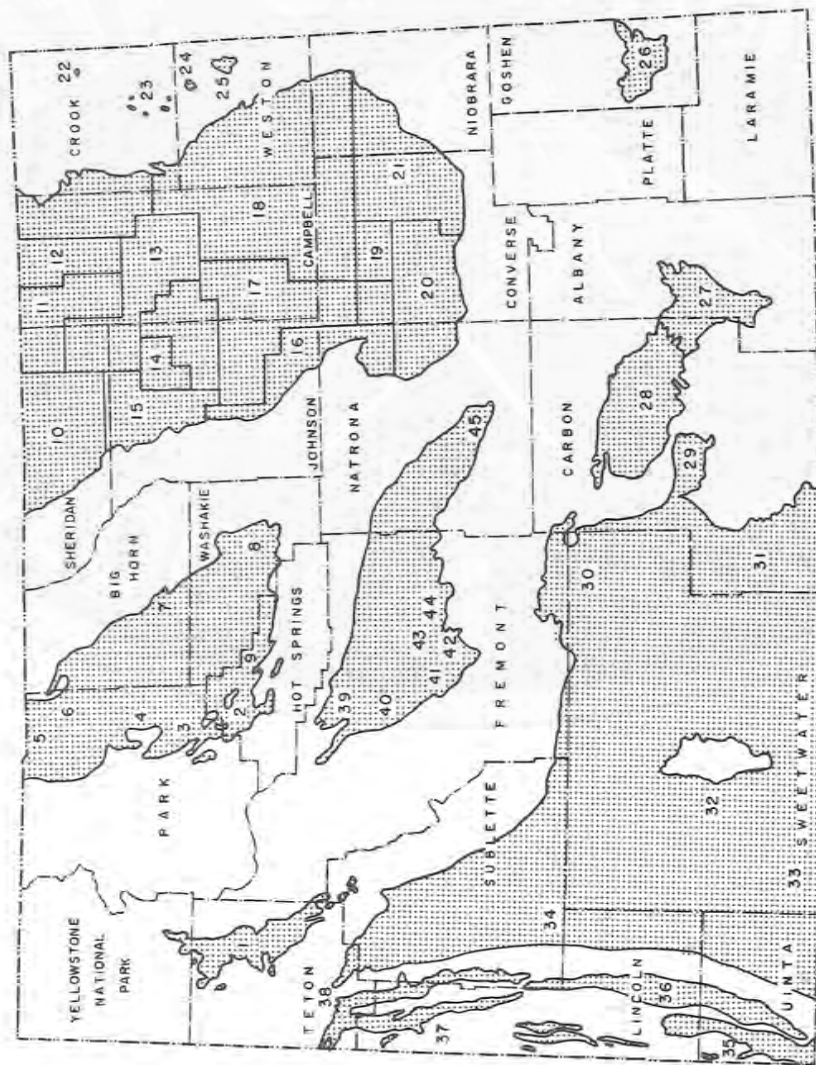
Wyoming State Insp. Mines - Wyoming State Inspector
of Mines

Yellowstone-Bighorn Research Assoc. - Yellowstone-
Bighorn Research Association

OTHER ABBREVIATIONS

- Ann. - Annual
- approx. - approximate
- BPA - Bonneville Power Administration
- Bull. - Bulletin
- Bur. - Bureau
- C - Coal Investigations Map
- Chap. - Chapter
- Circ. - Circular
- Co. - Company
- Conf. - Conference
- Conv. - Convention
- CRS - County Resource Series
- Dept. - Department
- Geol. - Geologic, Geological
- GQ - Geologic Quadrangle
- HA - Hydrologic Investigations Atlas
- I - Miscellaneous Geologic Investigations Map
- Inc. - Incorporated
- Inf. - Information
- Inv. - Investigations
- Jour. - Journal
- M. A. - Master of Arts Degree
- MF - Mineral Investigations Field Studies Map
- Misc. - Miscellaneous
- MMS - Mineral Market Summary Report

M. S. - Master of Science Degree
no. - number
OC - Oil and Gas Investigations Chart
OM - Oil and Gas Investigations Map
p. - page
Ph. D. - Doctor of Philosophy Degree
pp. - pages
Proc. - Proceedings
Prof. - Professional
Quad. - Quadrangle
Rept. - Report
Rept. Inv. - Report of Investigations
Tech. - Technical
TEI - Trace Element Investigations
TEM - Trace Element Memorandum
Trans. - Transactions
Univ. - University
U. S. - United States
vol. - volume



EXPLANATION

No.	Coalfield	No.	Coalfield
1.	Jackson Hole	24.	Skull Creek
2.	Grass Creek	25.	Cambria
3.	Meeteetse	26.	Goshen Hole
4.	Oregon Basin	27.	Rock Creek
5.	Silvertip	28.	Hanna
6.	Garland	29.	Kindt Basin
7.	Basin	30.	Great Divide Basin
8.	Southeastern	31.	Little Snake River
9.	Gebo	32.	Rock Springs
10.	Sheridan	33.	Henry's Fork
11.	Spotted Horse	34.	Labarge Ridge
12.	Little Powder River	35.	Evanston
13.	Powder River	36.	Kemmerer
14.	Barber	37.	Greys River
15.	Buffalo	38.	McDougal
16.	Sussex	39.	Muddy Creek
17.	Pumpkin Buttes	40.	Pilot Butte
18.	Gillette	41.	Hudson
19.	Dry Cheyenne	42.	Beaver Creek
20.	Glenrock	43.	Big Sand Draw
21.	Lost Spring	44.	Alkali Butte
22.	Aladdin	45.	Powder River
23.	Sundance		

Figure 2: Coalfields of Wyoming

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 Reserves and Resources of Coal: Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Campbell, 3; Cody; Dietz; Ford, Bacon and Davis, Inc.; Glass, G. B., 3-5, 9, 10; Harmston, 4; Lane, 1; McGraw-Hill, Inc., 2; Rice, N., 2; Smith, J. B., 2, 4; Travis; U. S. Geol. Survey, 8
 Road Log: Summerford
 Silvertip Coalfield: Fisher, C. A., 1, 2; Washburne
 Southeastern Coalfield: Fisher, C. A., 1, 2; Woodruff, 3
 Strippable Reserves of Coal: Glass, G. B., 3-5, 9, 10; McGraw-Hill, Inc., 2; Smith, J. B., 2, 4; Travis; U. S. Bur. Mines, 3
 Tatman Formation: Jepsen
 Ultimate Analyses of Coal (See Proximate Analyses of Coal above)
 Water in Coal-bearing Rocks: Berry, D. W., 2
 Willwood Formation: Pierce, 3
BIG HORN COAL COMPANY (See also COMPANIES MINING COAL)
 General: Big Horn Coal Co.; Cameron Engineers, 2; Glass, G. B., 8-10; Rulli
BIG HORN COUNTY
 Coalfields: Cody; Jamison, 2; Knight, W. C., 2, 4
 History of Coal Mining: Cody
 Proximate Analyses of Coal: Darton, 8; Fieldner, 8; Rice, N., 2
 Reserves and Resources of Coal: Berryhill, H. L., Jr., 1; Cody; Dietz

BIG HORN COUNTY (cont.)

Ultimate Analyses of Coal
(See Proximate Analyses
of Coal above)

**BIG SAND DRAW COALFIELD (See
also ALKALI BUTTE COAL-
FIELD; WIND RIVER COAL
BASIN)**

General: *Thompson, R. M., 3*

BIOLOGICAL CONTENT

Coal: *Rogoff*

BLACK HILLS COAL REGION

Aladdin Coalfield: *Darton, 1, 3, 4, 6, 12; Jenny, 1; Stone, 2*

Cambria Coalfield: *Darton, 1-4; Levene, 1; Simmons, 1; Stone, 2*

Coalfields in General:

Anonymous, 3; Beeler, 3; Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Campbell, 7; Darton, 1-6, 12; Dobbin, 5; Felix, C. E., 1, 2; Ford, Bacon, and Davis, Inc.; Glass, G. B., 3-5, 9; Jenny, 1; Kennedy; Knight, W. C., 2, 5; Lane, 1; Levene, 1; Long, J. S., Jr.; MacFarlane, J.; McGraw-Hill, Inc., 2; Mapel, 3; Office Coal Research, 1; O'Harra, 2; Rice, N., 2; Ricketts, 1, 2; Scott, S., Simmons, 1; Smith, J. B., 2, 4; Stone, 2; Storrs; Wilson, W. H., 4

Cretaceous Formations:
Whitcomb, 1

Dakota Formation: *Darton, 5, 6, 12; Gill, 1; Knight, W. C., 6; McKenzie, D. B.; MacKenzie, F. T.; Mapel, 3, 5, 7-9; Pillmore; Robinson; Waage; Whitcomb, 1*

Fall River Formation:
*Dondanville***Formation Names: Wulf**

Geologic Map: *Darton, 2, 3, 5; Mapel, 6, 7; Scott, S.; Van Lieu*

Laramie Group: *Knight, W. C., 5*

BLACK HILLS COAL REGION (cont.)

Newcastle Formation: *Baker, D. R.*

Proximate Analyses of Coal:

Beeler, 2, 3, 5, 8; Cameron Engineers, 2; Campbell, 2, 4, 7; Felix, C. E., 1, 2; Fieldner, 2, 5; Ford, Bacon and Davis, Inc.; Gomez, 2; Jamison, 2; Knight, W. C., 2; Levene, 1; Lord, 2; Ricketts, 2; U. S. Geol. Survey, 1, 2; Wyoming State Board Immigration

Reserves and Resources of

Coal: *Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Darton, 1-3; Dietz; Ford, Bacon and Davis, Inc.; Glass, G. B. 3-5, 9; Harmston, 1; Lane, 1; Levene, 1; McGraw-Hill, Inc., 2; Mapel, 8; Rice, N., 2; U. S. Geol. Survey, 8*

Road Log: Mohl**Skull Creek Coalfield:**

Darton, 3-5, 12; Stone, 2
Structural Geology: *Mapel, 6*

Sundance Coalfield: *Darton, 3-5, 12; Stone, 2*

Ultimate Analyses of Coal
(See Proximate Analyses of
Coal above)

Water in Coal-bearing Rocks:
Whitcomb, 1

BRIDGER FORMATION

Hams Fork Coal Region:
Koenig, K. J.

BRIQUETTING

Coal: *Boley, 1-4; Landers, 1; Leshar; Parry, V. F., 3; Prostel, 2, 3; Rice, N., 3-9; Wright, C. L.*

**BUFFALO COALFIELD (See also
POWDER RIVER COAL BASIN)**

General: *Darton, 4, 9, 11; Eldridge; Falvey; Gale, 2; Mapel, 1, 2, 4; Smith, J. B., 2, 4*

BY-PRODUCTS

Coal: *Eisner; Parker, E. W.*

CAMBRIA COALFIELD (See also
BLACK HILLS COAL REGION)

General: *Darton, 1-4;*
Levene, 1; Simmons, 1;
Stone, 2

Transportation of Coal:
Levene, 1

CAMPBELL COUNTY

Proximate Analyses of Coal:
Fieldner, 8; Rice, N., 2
Reserves and Resources of
Coal: *Berryhill, H. L.,*
Jr., 1; Dietz

Ultimate Analyses of Coal
(See Proximate Analyses
of Coal above)

Water in Coal-bearing Rocks:
Hodson, 1

CARBON CONTENT OF COAL (See
ULTIMATE ANALYSES OF COAL)

CARBON COUNTY

Coalfields: *Harmston, 6;*
Hayden, 5; Hodge; Jamison,
2; Knight, W. C., 2, 4

Geologic Map: *Weitz, 1*

Proximate Analyses of Coal:
Aresco, 3, 8; Fieldner, 8;
Jamison, 2; Lord, 2; Rice,
N., 2; Ricketts, 1, 2

Reserves and Resources of
Coal: *Berryhill, H. L.,*
Jr., 1; Dietz; Harmston,
6

Ultimate Analyses of Coal
(See Proximate Analyses
of Coal above)

CARBONIZATION OF COAL

Assays: *Goodman, 2; Lan-*
ders, 3; Selvig, 4

Carbonization Properties
of Coal: *Brown, R. L.;*
Davis, J. D.; Gomez, 2;
Landers, 2; Reynolds, D.
A., 1, 2; Toenges

General: *Brown, R. L.,*
Davis, J. D.; Farr; Glass,
G. B., 3-5; Gomez, 2;
Goodman, 2; Kovalik; Lan-
ders, 2, 3; Lynn; Parry,
V. F., 4, 8-10; Prostel,
1-3; Reynolds, D. A., 1,
2; Selvig, 4; Taylor, G.
B.; Toenges; Walters, 2;
Wolfson; Yancey, 2

CARBONIZATION OF COAL (cont.)

Low-temperature Carboniza-
tion: *Parry, V. F., 9,*
10

CHARACTERISTICS (See also in-
dividual characteristics)

Coal: *Given, 2; Spicer*

CHARS AND CHARRING OF COAL

General: *Anonymous, 7;*
Berg; Eddinger, 1; Inouye;
Kovalik; Landers, 1;
Prostel, 1-3; Rice, N., 1,
10

CHEMICAL COMPOSITION (See also
ULTIMATE ANALYSES OF COAL)

Coal: *Friedman*

CHEMICAL REACTIONS

Coal: *Wender*

CHLORINE CONTENT (See also
TRACE ELEMENTS)

Coal: *Gibson, F. H.*

CLAY (See also KAOLINITE:
SEAT ROCK)

Associated with Coal:

Bucklen, 1, 2; Van Sant;
Weaver

CLINKER BEDS (See BAKED SHALE)

CLOVERLY FORMATION

Bighorn Coal Basin: *Fisher,*
C. A., 2; Mirsky; Moberly

COALFIELDS (See also individ-
ual coal-bearing regions,
coalfield names, and
county names)

Northern Wyoming: *Parsons, 1*

Southern Wyoming: *Parsons, 2*

Wyoming: *Anonymous, 3;*
Averitt, 14; Beeler, 3,
5-8; Berryhill, H. L.,
Jr., 1, 2; Birch; Cameron
Engineers, 2; Campbell, 1,
10; Dietz; Dobbin, 5;
Felix, C. E., 1, 2; Field-
ner, 5, 6; Fisk, H. G.;
Ford, Bacon and Davis,
Inc., Frazier; Glass, G.
B., 3-5, 8-10; Hayden, 1-
3, 8, 9; Hayes, 1, 2;
Hewett, G. C.; Jamison, 2;
Kennedy; Knight, W. C.,
2, 4; Koppe; Lane, 1;
Lesquereux, 1; Link; Long,
J. S., Jr.; MacFarlane;
McGraw-Hill, Inc., 2;

COALFIELDS

Wyoming: (cont.) Miller, E. W.; Office Coal Research, 1; Parsons, 1, 2; Peale, 2; Rice, N., 2; Ricketts, 1, 2; Ritter; Root, 1; Smith, J. B., 1, 2, 4; Snell; State of Wyoming; Storrs; Taylor, J. W.; Trumbull, 1; U. S. Geol. Survey, 4; Westberg; Wilson, W. H., 3, 4; Wyoming Geol. Survey, 1, 2

COAL GAS (See VOLATILES)

COAL MINING (See MINING)

CODY COALFIELD (See also BIGHORN COAL BASIN)

General: Woodruff, 2

CODY FORMATION

Bighorn Coal Basin: Berry, D. W., 2

General: Berry, D. W., 2; Foster, H. L.; Workum

Jackson Hole Coalfield: Foster, H. L.

Wind River Coal Basin: Workum

COKE

Analyses of Coke: Anonymous, 7; Glass, G. B., 4, 9

Coke Plants: Anonymous, 7; Cameron Engineers, 2; Fagnant, 2; Farr; Glass, G. B., 4, 8, 9; Work

Forecast and Outlook: Cameron Engineers, 2; Levene, 3

General: Anonymous, 7; Belden; Brown, R. L.; Cameron Engineers, 2; De Carlo, 1; Fagnant, 2; Farr; Flebus; Glass, G. B., 4, 8, 9; Kinney; Leshner; Levene, 3; Prostel, 4; Reynolds, D. A., 1, 2; Work

Limited Coke: Flebus

Nitrogen Content of Coke: Kinney

Technology for Coke Manufacture: Anonymous, 7

Testing: Belden

COKE (cont.)

Utilization: Anonymous, 7; De Carlo, 1; Flebus; Glass, G. B., 4, 8, 9

COKING COAL

Deposits: Averitt, 7; Beeler, 3, 5, 6; Berryhill, H. L., Jr., 1; Brown, R. L.; Fieldner, 11; Glass, G. B., 3-5, 9, 10; Office Coal Research, 1; Peale, 3; Prostel, 3; Ricketts, 2; Toenges

Properties: Brown, R. L.; Reynolds, D. A., 1, 2

Reserves and Resources: Averitt, 7; Berryhill, H. L., Jr., 1; Toenges

COLORADO GROUP

Bighorn Coal Basin: Knight, S. H., 1

General: Knight, S. H., 1; Trumbull, 3

Powder River Coal Basin: Trumbull, 3

COMBUSTION (See also POWER GENERATION)

Coal: Breckenridge; Harrington, R. E.; Spicer

COMPANIES MINING COAL (See also individual coalfield names and company names)

Directories: McGraw-Hill, Inc., 1; Wyoming Dept. Economic Planning and Development

General: Anonymous, 6, 8, 10-12, 14-16; Beeler, 3; Big Horn Coal Co.; Blackstone, 4; Budd; Cameron Engineers, 2; Consalus; Dodge; Duell; Fagnant, 1; Frazer, M. M.; Glass, G. B., 2-5, 8-10; Keenan; Lane, 1; Levene, 2; McAuliffe, 1, 2; Pacific Power and Light Co.; Reiss; Rulli; Sharp Bits; Union Pacific Coal Co.; Union Pacific Railroad Co.; U. S. Bur. Mines, 10; Writers' Program; Zakotnik

COMPANIES MINING COAL (cont.)

Wyoming: *Beeler, 3; Cameron Engineers, 2; Glass, G. B., 3-5, 8-10; Lane, 1; U. S. Bur. Mines, 10*

COMPUTER STUDY

Coal: *Gomez, 2-4; Humphreys*

CONVERSE COUNTY

Coalfield Map: *Lane, 2*

Coalfields: *Jamison, 2;*

Knight, W. C., 2, 4

Geologic Map: *Lane, 2*

Proximate Analyses of Coal:

Fieldner, 8; Rice, N., 2

Reserves and Resources of

Coal: *Berryhill, H. L.,*

Jr., 1; Dietz; Lane, 2

Ultimate Analyses of Coal

(See Proximate Analyses of Coal above)

CONVERSION TO SYNTHETIC FUELS

Economics: *Johnson, C. A.;*

Stephens, D. R.

Effects of Petrography:

Fisher, C. H.

Effects of Rank: *Fisher,*

C. H.

Environmental Impact:

Burke; Carlin

Financing: *Ellington; Joyce*

Forecast and Outlook:

Cameron Engineers, 1, 2;

Ellis; Ford, Bacon and

Davis, Inc.; Glass, G. B.,

10; Hardesty, 1; Johnson,

C. A.; Joyce; Levene, 3;

Office Coal Research;

Persse, 2

Gasification: *Cameron En-*

gineers, 1, 2; Carlin;

Doherty; Eddinger, 1, 2;

Fernald; Hoffman, 1, 3;

Huebler; Igoe; LeFrancois;

Levene, 4; Little; Office

Coal Research, 2; Skinner;

Wilson, H. M.; Wold, 1, 2

General: *Anonymous, 4;*

Burke; Cameron Engineers,

1, 2; Carlin; Doherty;

Eddinger, 1, 2; Eisner;

Ellington; Ellis; Fernald;

Fieldner, 9, 12; Fisher,

C. H.; Ford, Bacon and

Davis, Inc.; Fraser;

COMPANIES MINING COAL (cont.)

General: (cont.) *Glass, G.*

B., 10; Hardesty, 1; Hill,

1, 2; Hoffman, 1, 3;

Horne; Huebler; Ickes;

Igoe; Johnson, C. A.;

Joyce; Law; LeFrancois;

Levene, 3, 4; Link; Little;

Marzel, 1; O'Donnell;

Office Coal Research, 1,

2; Persse, 2; Risser, 1;

Silver, 1-5; Skinner;

Sprunk; Stephens, D. R.;

Storch; Wender; Wilson,

H. M.; Winchester, 3;

Wold, 1-3

Impact on Coal Industry:

Risser, 1

In-Situ Methods: *Stephens,*

D. R.; Wold, 1-3

Liquefaction: *Anonymous, 4;*

Cameron Engineers, 1, 2;

Doherty; Eddinger, 1, 2;

Eisner; Fieldner, 9;

Fisher, C. H.; Ford, Bacon,

and Davis, Inc.; Fraser;

Hill, 1; Hoffman, 1, 3;

Forne; Ickes; Law; Marzel,

1; O'Donnell; Silver, 1-5;

Skinner; Sprunk; Storch;

Wender; Winchester, 3

Water Requirements:

Persse, 2

CORROSIVENESS

Coal: *O'Gorman, 2*

CRETACEOUS COAL-BEARING FORMA-

TIONS (See also individual

formation names)

Bighorn Coal Basin:

Hendrickson

Black Hills Coal Region:

Whitcomb, 1

Correlation of Coals:

Cobban, 1; Lee

Formation Names: *Randall,*

A. G., 2, 3

General: *Anonymous, 1;*

Baker, C. L.; Bowen, 2;

Bradley, 1; Branson, E. B.;

Cobban, 1; Cope, 3; Glaze;

Hares, 1; Hendrickson;

Keefer, 8; Knight, S. H.,

2; Knight, W. C., 1; Krum-

bein; Lee; Nace; Oriol, 2;

CRETACEOUS COAL-BEARING FORMATIONS (cont.)

- General: (cont.) Peale, 2; Roehler, 1; Root, 2; Rubey, 2; Weimer, 1; Whitcomb, 1
- Green River Coal Region: Bradley, 1; Glaze; Oriel, 2; Roehler, 1; Root, 2
- Hans Fork Coal Region: Oriel, 2
- Hanna Coalfield: Bowen, 2; Hares, 1; Knight, S. H., 2
- Paleobotany: Brown, R. W., 1; Cope, 4; Dorf, 3; Fontaine; Lesquereux, 1, 3; Newberry; Ward, 2;
- Paleoenvironments: Curtis; Houston, 3; Roehler, 1; Weimer, 2, 5;
- Paleontology: Cope, 4, 5; Hayden, 5, 7; Henderson, J.; White, C. A., 1
- Palynology: Houston, 1; Tschudu
- Powder River Coal Basin: Hares, 1
- Summary: Anonymous, 1; Cope, 3; Knight, W. C., 1; Krumbain; Nace; Peale, 2; Rubey, 2; Weimer, 1
- Wind River Coal Basin: Baker, C. L.; Branson, E. B.; Hares, 1; Keefer, 8
- CROOK COUNTY
- Coalfields: Jamison, 2; Knight, W. C., 2, 4
- Reserves and Resources of Coal: Berryhill, H. L., Jr., 1; Dietz
- CURRENT EVENTS
- Coal Mining: U. S. Bur. Mines, 10
- CYCLIC SEDIMENTATION
- Coal-bearing Rocks: Burger, 2; Jacka, 2, 3
- DAKOTA FORMATION
- Black Hills Coal Region: Darton, 5, 6, 12; Gill, 1; Knight, W. C., 6; McKenzie, D. B.; MacKenzie, F. T.; Mapel, 3, 5, 7-9; Pillmore; Robinson; Waage; Whitcomb, 1

DAVE JOHNSTON POWER PLANT

- General: Anonymous, 15; Cameron Engineers, 2; Clark; Duell; Glass, G. B., 8; Pacific Power and Light Co.; U. S. Bur. Land Management, 1

DEHYDROGENATION

- Coal: Reggel, 4

DEPOSITIONAL ENVIRONMENTS

(See PALEOENVIRONMENTS)

DeSMET FORMATION

- Powder River Coal Basin:

Darton, 10, 11

DIAMONDVILLE COALFIELD (See KEMMERER COALFIELD)

DIFFERENTIAL THERMAL ANALYSIS

- Coal: Glass, H. D.; Hill, 1

DISTILLATION

- Coal: Gomez, 1; Parry, V. F., 6

DISTURBED LAND (See also ENVIRONMENTAL IMPACT)

- Coal Mining: Ellis; Glass, G. B., 4, 9, 10; Kovats, 1, 2; U. S. Dept. Interior, 2

DOPPLERITE

- General: Vine, 7

DOUGLAS COALFIELD (See GLENROCK COALFIELD)

DRY CHEYENNE COALFIELD (See also POWDER RIVER COAL BASIN)

- General: Geslin; Smith, J. B., 2, 4; Wegemann, 6

DRYING

- Coal: Boley, 3, 4; Ellman; Parry, V. F., 7, 8; Prossel, 2; Rice, N., 4

DUST IN MINES

- Underground Coal Mines: Forbes; Frazer, J. C. W.; Harrington, D.

DUTTON CREEK FORMATION

- Rock Creek Coalfield: Houston, 1; Hyden, 2

ELECTRON IRRADIATION

- Coal: Retcofsky

ELECTRON PARAMAGNETIC RESONANCE

- Coal: Retcofsky

EMPLOYMENT

- Coal Mining: Cameron

EMPLOYMENT (cont.)

Coal Mining: (cont.) *Engineers*, 2; *Ellis*; *Fox*, E. G.; *Glass*, G. B., 10; *Hotchkiss*; *National Coal Assoc.*, 1, 2; *Wyoming State Insp. Mines*

ENERGY (See also POWER GENERATION)

Forecast and Outlook: *Averitt*, 12; *Broderick*; *Dominy*; *Hardesty*, 2; *Lane*, 1; *Simpson*

ENERGY DEVELOPMENT COMPANY (See also COMPANIES MINING COAL)

General: *Glass*, G. B., 2, 8-10

ENVIRONMENTAL IMPACT

Coal Preparation: *Burke*
Conversion Plants: *Burke*; *Carlin*

Energy Development: *Melcher*; *Risser*, 2

Environmental Policies: *Persse*, 1

Power Plants: *Harrington*, R. E.; *Josephy*; *Persse*, 2; *Shafer*; U. S. Bur. Land Management, 5

Surface Mining of Coal: *Austin*; *Burke*; *Carlin*; *Ellis*; *Gibson*, D.; *Glass*, G. B., 7; *Gwynn*, 2; *Hicks*, L.; *Josephy*; *Persse*, 2, 3; U. S. Dept. Agriculture; U. S. Dept. Interior, 2

Transportation of Coal: *Burke*

Underground Mining of Coal: *Glass*, G. B., 7

EQUIPMENT

Coal Mining: *Anonymous*, 13; *Cassano*; *Glass*, G. B., 4, 8, 10; *Hotchkiss*; *McGraw-Hill, Inc.*, 2

EVANSTON COALFIELD (See also HAMS FORK COAL REGION)

General: *Campbell*, 7; *Hayden*, 4; *Hodge*; *Schultz*, 1; *Veatch*, 3

Production Statistics for Coal: *Lesquereux*, 1

EVANSTON FORMATION

Hams Fork Coal Region: *Barrett*, D. W.; *Martin*, B. D.; *Oriel*, 2; *Robinove*, 1; *Rubey*, 2

Microfossils: *Barrett*, D. W.

EXPLORATION FOR COAL

Economics: *Miller*, D. N., Jr., 3

Federal Laws: *Glass*, G. B., 10; *Hustace*; U. S. Bur. Land Management, 2, 4; U. S. Dept. Interior, 3

State Laws: *Glass*, G. B., 10; *King*, A. E., 2; *Wyoming Dept. Environmental Quality*; *Wyoming Geol. Survey*, 3

Techniques: *Archer*; *Carmichael*; *Chuman*, 2; *Tixier*; *Yenne*

EXPLOSIONS

Underground Coal Mines: *Humphrey*; *Kintz*

FALL RIVER FORMATION

Black Hills Coal Region: *Donganville*

FATALITIES (See ACCIDENTS AND FATALITIES)

FAULTING (See also individual coalfield names)

Coalfields: *Ricketts*, 2

FERRIS FORMATION

General: *Bowen*, 1, 2; *Gill*, 2; *Houston*, 1

Hanna Coalfield: *Bowen*, 1, 2; *Gill*, 2

Rock Creek Coalfield: *Gill*, 2; *Houston*, 1

FIRES

Coal Mines: *Rabchevsky*, 1, 2; *Sherman*

Refuse Banks: *McNay*; *Stahl*

FLASH DRYING OF COAL (See DRYING)

FLUIDIZED DRYING OF COAL (See DRYING)

FLUORINE CONTENT (See also TRACE ELEMENTS)

Coal: *Abernethy*, 5

FLY ASH

Coal Combustion: *Linville*, 1; *Ma*

FMC PILOT COKE PLANT

General: *Anonymous*, 7;
Cameron Engineers, 2;
Farr, Glass, G. B., 4,
9; *Work*

FOOTE CREEK FORMATION

Rock Creek Coalfield:
Houston, 1; *Hyden*, 2

FORT UNION FORMATION

Bighorn Coal Basin:
Hewett, D. F., 2; *Horn*;
Knight, S. H., 1; *Stow*;
Swenson, F. A.

General: *Ball*, 3; *Barlow*,
1, 3; *Bauer, C. M.*, 2;
Beikman; Berry, D. W., 1;
Brown, R. W., 4; *Crist*;
Curry, 2; *Davis, R. W.*;
Dickey; Dobbin, 8, 9; *Ges-*
lin; Good; Guyton; Hal-
lock; Haun; Henderson, D.
K., *Hewett, D. F.*, 2;
Horn; Hose, 1, 2; *Jamison*,
4; *Jenkins; Johnston, R.*
H.; *Keefer*, 5, 6; *Knight*,
S. H., 1; *Kohout; Lawson*;
Littleton; Lowry, 1;
Mapel, 3; *Mees; Mogensen*;
Olive, 1, 2; *Rapp*, 1;
Ritzma, 2; *Robinson; Root*,
2; *Severn*, 1; *Sharp*, 2;
Stow; Swenson, F. A.;
Trumbull, 3; *Tutten; Van*
Houten, 1; *Warner; Wege-*
mann, 1, 4, 5; *Weimer*, 4;
Whitcomb, 1, 2, 3; *Wieg-*
man; Wold, 3; *Yenne*

Green River Coal Region:
Barlow, 1, 3; *Berry, D.*
W., 1; *Davis, R. W.*;
Dickey; Good; Guyton; Hal-
lock; Haun; Henderson, D.
K.; *Jamison*, 4; *Jenkins*;
Johnston, R. H.; *Lawson*;
Mees; Mogensen; Ritzma, 2;
Root, 2; *Severn*, 1; *Tut-*
ten; Weimer, 4; *Wiegman*

Johnson County: *Whitcomb*,
3

Paleobotany: *Dorf*, 1, 2

Palynology: *Leffingwell*

Powder River Coal Basin:

Ball, 3; *Beikman; Brown*,

FORT UNION FORMATION

Powder River Coal Basin:

(cont.) *R. W.*, 4; *Crist*;
Curry, 2; *Dobbin*, 8, 9;
Geslin; Hose, 1, 2; *Ko-*
hout; Littleton; Lowry,
1; *Mapel*, 3; *Olive*, 1, 2;
Rapp, 1; *Robinson; Sharp*,
2; *Trumbull*, 3; *Warner*;
Wegemann, 1, 4, 5; *Whit-*
comb, 1, 2; *Wold*, 3

Sweetwater County: *Root*, 2

Wind River Coal Basin:

Bauer, C. M., 2; *Keefer*,
5, 6; *Van Houten*, 1;
Yenne

FOX HILLS SANDSTONE

General: *Drwenski; Fox, J.*
E., 2; *Jamison*, 3

Hanna Coalfield: *Fox, J.*
E., 2

Paleobotany: *Knowlton*, 2

Paleoenvironments: *Fox*,
J. E., 2

Paleontology: *Fox, J. E.*,
2

Powder River Coal Basin:

Drwenski; Jamison, 3

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FREMONT COUNTY

Coalfields: *Jamison*, 2;
Knight, W. C., 2, 4

Frontier Formation:

Thackrey

Humic Acids in Coal:

Vine, 7

Proximate Analyses of Coal:

Fieldner, 8; *Rice, N.*, 2;
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gration

Reserves and Resources of

Coal: *Berryhill, H. L.*,
Jr., 1; *Dietz; Henderson*,
J. M.

Ultimate Analyses of Coal

(See also Proximate Anal-
yses of Coal above)

FRIABILITY

Coal: *Ford, Bacon and*
Davis, Inc., Yancey, 2, 4

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Bighorn Coal Basin: *Berry*,

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Bighorn Coal Basin: (cont.)
D. W., 2; Burk; Downs, 1,
2; Hunter, L. D.; Keefer,
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Fremont County: Thackrey
General: Bergren; Berry,
D. W., 2; Berry, E. W.;
Branson; Burk; Cobban,
2, 3; Crawford, 2; Downs,
1, 2; Frucney; Furer;
Goodell; Gooldy; Hale, 3,
5; Hunter, L. D.; Keefer,
1, 2, 4, 10; Knight, W.
C., 7; Koenig; Lamb; Law-
rence, J. C.; Litchford;
Love, 1, 2, 4, 5; Mc-
Greevy, 2; Masters; Rich-
mond; Robinove, 2; Ross,
A. R.; Shipp; Thackrey;
Thompson, R. M., 1; Towse;
Van Houten, 1, 2; Walker,
C. L.; Wanless; Wolf; Wy-
man; Ziegler, 1
Green River Coal Region:
Hale, 3; Richmond
Hams Fork Coal Region:
Berry, E. W.; Frucney;
Furer; Hale, 3, 5;
Knight, W. C., 7; Koenig;
Lawrence, J. C.; Litch-
ford; Ross, A. R.; Shipp;
Walker, C. L.; Wyman
Jackson Hole Coalfield:
Bergren; Wanless
Paleobotany: Andrews, H.
N., Jr.; Berry, E. W.;
Knowlton, 1; Schopf, 1
Paleoenvironments: Berry,
E. W.; Burgess
Paleontology: Knowlton, 1
Palynology: Burgess; Up-
shaw, 1-3
Powder River Coal Basin:
Towse
Wind River Coal Basin:
Berry, E. W.; Branson;
Cobban, 3; Crawford, 2;
Gooldy; Keefer, 1, 2, 4,
10; Lamb; Love, 1, 2, 4,
5; McGreevy, 2; Thompson,
R. M., 1; Van Houten, 1;
Wolf; Ziegler, 1

FUSAIN CONTENT

Coal: O'Donnell; Skolnick
GARLAND COALFIELD (See also
BIGHORN COAL BASIN)
General: Fisher, C. A., 1,
2; Washburne
GASIFICATION OF COAL (See also
CONVERSION TO SYNTHETIC
FUELS)
General: Cameron Engineers,
1, 2; Carlin; Doherty; Ed-
dinger, 1, 2; Fernald;
Hoffman, 1, 3; Huebler;
Igoe; Lefrancois; Levene,
4; Little; Office Coal
Research, 2; Skinner; Wil-
son, H. M.; Wold, 1, 2
GEBO COALFIELD (See also BIG-
HORN COAL BASIN)
General: Eldridge; Fisher,
C. A., 1, 2; Woodruff, 2
GEBO FORMATION
Bighorn Coal Basin: Hewett,
D. F., 1; Ziegler, 2, 3
GEOCHEMISTRY (See also TRACE
ELEMENTS)
Coal: Breger, 4; O'Gorman,
2; Rogoff
GEOLOGIC MAPS (See also indi-
vidual coalfield and
county names)
Central Wyoming: Tourtelot,
H. A., 2
Index for Wyoming: Board-
man; McIntosh
Rawlins Area: Berry, D. W.,
1
South-central Wyoming:
Love, 8
Statewide: Campbell, 8;
Love, 15
GEOPHYSICAL LOGGING
Coal: Archer; Chuman, 2;
Tixier; Yenne
GERMANIUM CONTENT (See also
TRACE ELEMENTS)
Coal: Stadnichenko, 2
GILLETTE COALFIELD (See
also POWDER RIVER COAL
BASIN)
General: Beroni, 1; Dob-
bin, 1; Geslin; Smith, J.
B., 2, 4; Thom

GLENROCK COALFIELD (See also
POWDER RIVER COAL BASIN)

General: *Campbell, 7; Darton, 4; Geslin; Shaw; Smith, J. B., 2, 4*

GOLD CONTENT (See also MINERAL MATTER; TRACE ELEMENTS)

Coal: *Chance; Jenny, 2; Stone, 2*

GOSHEN COUNTY

Reserves and Resources of
Coal: *Berryhill, H. L., Jr., 1; Dietz*

GOSHEN HOLE COALFIELD

Geologic Map: *Adams, G. I.*
General: *Adams, G. I.;*

Anonymous, 3; Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Felix, C. E., 1, 2; Glass, G. B., 3-5, 9; Lane, 1; Long, J. S., Jr.; McGraw-Hill, Inc., 2; Office Coal Research, 1; Rice, N., 2; Schlaikjer, 1; Smith, J. B., 2, 4; Wilson, W. H., 4

Lance Formation: *Rapp, 2; Schlaikjer, 1, 2*

Laramie Group: *Adams, G. I.*

Proximate Analyses of Coal:
Knight, W. C., 2

Reserves and Resources of
Coal: *Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Dietz; Ford, Bacon and Davis, Inc.;*

Glass, G. B., 3-5, 9; Lane, 1; McGraw-Hill, Inc., 2; U. S. Geol. Survey, 8

Tertiary Formations: *Denson, 1*

Ultimate Analyses of Coal
(See Proximate Analyses
of Coal above)

Water in Coal-bearing Rocks:
Adams, G. I.; Dockery; Rapp, 2

GRASS CREEK COALFIELD (See
also BIG HORN COAL BASIN)

General: *Eldridge; Hewett, D. F., 3; Pierce, 1; Woodruff, 2*

GREAT DIVIDE BASIN COALFIELD
(See also GREEN RIVER
COAL REGION)

General: *Bailey, R. V.; Baker, D. P.; Breger, 1, 2; Dobbin, 2; McKeel; Masursky, 1, 3-6, 8, 9; Pipiringos, 1, 2, 4-7; Root, 2; Smith, E. E.*

GREEN RIVER COAL REGION

Abrasiveness of Coal:

Yancey, 3, 4

Adsorption Spectra of Coal:
Friedel

Almond Formation: *Asquith; Barlow, 4; Burger, 1; Burton; Glaze; Gosar; Hale, 1; Heppe; Jacka, 1-3; Lawson; Lewis, 1, 2; McCubbin; McDonald; May, E. E.; Mees; Roehler, 2; Root, 2; Smithson; Weichmann; Weimer, 4*

Chemical Composition of
Coal: *Friedman*

Coalfields: *Andrew; Anonymous, 3; Bailey, R. V.; Baker, D. P.; Ball, 1, 2; Barlow, 2; Beeler, 3; Berryhill, H. L., Jr., 1, 2; Blackstone, 4; Breger, 1, 2; Budd; Cameron Engineers, 2; Campbell, 7; Chadey; Cope, 1; Davenport, 1; Dobbin, 2, 5, 6; Endlich; Felix, C. E., 1, 2; Ford, Bacon and Davis, Inc.; Gale, 1; Glass, G. B., 3-5, 8-10; Glaze; Goldston; Hague; Hayden, 4, 5; Hodge; Johnson, W. L.; Johnston, R. H.; King, C., 1; Knight, W. C., 2; Lane, 1; Lesquereux, 1; Levene, 5; Long, J. S., Jr.; MacFarlane, J.; McGraw-Hill, Inc., 2; McKeel; Masursky, 1, 3-6, 8, 9; Miller, D. N., Jr., 6; Murphy, T. F.; Office Coal Research, 1; Payton; Peale, 3; Pipiringos, 1, 2, 4-7; Rice, N., 2; Ricketts, 1, 2;*

GREEN RIVER COAL REGION (cont.)

Coalfields: (cont.) *Ritzma*, 1; *Roehler*, 5; *Root*, 2; *Schultz*, 2, 3, 5; *Shannon*; *Smith, E. E.*; *Smith, J. B.*, 2, 4; *Storrs*; *Swann*, 1, 2; *U. S. Bur. Land Management*, 5; *U. S. Geol. Survey*, 6, 7; *Van Lennep*; *Vine*, 3; *Willson*; *Wilson*, *W. H.*, 4; *Yourston*

Corrosiveness of Coal: *Retcofsky*

Cretaceous Formations: *Bradley*, 1; *Glaze*; *Oriel*, 2; *Roehler*, 1; *Root*, 2

Electron Paramagnetic Resonance of Coal: *Retcofsky*

Formation Names: *Agatston*; *Eaton*

Fort Union Formation: *Barlow*, 1, 3; *Berry, D. W.*, 1; *Davis, R. W.*; *Dickey*; *Good*; *Guyton*; *Hallock*; *Haun*; *Henderson, D. K.*; *Jamison*, 4; *Jenkins*; *Johnston, R. H.*; *Lawson*; *Mees*; *Mogensen*; *Ritzma*, 2; *Root*, 2; *Severn*, 1; *Tutten*; *Weimer*, 4; *Wiegman*

Friability of Coal: *Yancey*, 2, 4

Frontier Formation: *Hale*, 3; *Richmond*

Geochemistry of Coal: *Breger*, 4; *Rogoff*

Geologic Maps: *Barlow*, 2; *Bradley*, 1, 2; *Henderson, D. K.*; *Keith*, 1; *Reynolds, M. W.*, 1-4; *Richmond*; *Roehler*, 3, 4; *Trumbull*, 4; *Welder*, 1, 2

Great Divide Basin Coalfield: *Bailey, R. V.*; *Baker, D. P.*; *Breger*, 1, 2; *Dobbin*, 2; *McKeel*; *Masursky*, 1, 3-6, 8, 9; *Pipiringos*, 1, 2, 4-7; *Root*, 2; *Smith, E. E.*; *Smith, J. B.*, 2, 4

Green River Formation: *Bradley*, 1

GREEN RIVER COAL REGION (cont.)

Henry's Fork Coalfield: *Gale*, 1; *Root*, 2; *Storrs*; *Vine*, 3

History of Coal Mining: *Andrew*; *Anonymous*, 14; *Frazer, M. M.*; *Shannon*; *Swann*, 2; *Union Pacific Coal Co.*

Humic Acids in Coal: *Vine*, 7

Infra-red Spectra of Coal: *Friedel*

Kindt Basin Coalfield: *Endlich*

La Barge Ridge Coalfield: *Schultz*, 5

Lance Formation: *Barlow*, 3; *Berry, D. W.*, 1; *Dickey*; *Good*; *Hale*, 1; *Haun*; *Henderson, D. K.*; *Jenkins*; *Johnston, R. H.*; *Land*; *Lawson*; *May, B. E.*; *Mees*; *Root*, 2; *Severn*, 1; *Smithson*; *Weimer*, 3

Laramie Group: *Endlich*; *Jamison*, 4; *Peale*, 3; *White, C. A.*, 1

Lewis Shale: *Montagne*

Little Snake River Coalfield: *Baker, D. P.*; *Ball*, 1, 2; *Ritzma*, 1; *Roehler*, 5; *Root*, 2

Medicine Bow Formation: *Barlow*, 1; *Guyton*; *Montagne*

Mesaverde Group: *Barlow*, 1; *Chuman*, 1, 2; *Davis, J. R.*, 1; *Dobbin*, 2; *Guyton*; *Hale*, 4; *Hallock*; *Henderson, D. K.*, 1; *Jenkins*; *Levorsen*; *McDonald*; *Mees*; *Montagne*; *Root*, 2; *Sears*; *Shaughnessy*; *Tutten*; *Weichmann*; *Weimer*, 3

Mineralogy of Coal: *Breger*, 4

Petrography of Coal: *Fraser*; *Friedman*; *O'Donnell*; *Schopf*, 3

Physical Composition of Coal: *Friedman*

GREEN RIVER COAL REGION (cont.)

Proximate Analyses of Coal:

Aresco, 1-9, 11, 14, 15;
 Ball, 1, 2; Beeler, 2, 3,
 5, 8; Boley, 3; Cameron
 Engineers, 2; Campbell, 7;
 Endlich; Fieldner, 2, 3,
 5; Ford, Bacon and Davis,
 Inc.; Frazier; Friedman;
 Glass, G. B., 3-5, 9, 10;
 Gomez, 2; Hodge; Jamison,
 2; King, C., 1; Knight,
 W. C., 2; Landers, 3;
 Lesquereux, 1; Lord, 2;
 Lund; MacFarlane; Marvine;
 O'Donnell; Parry, V. F.,
 6; Payton; Pipiringos, 4;
 Pope; Prostel, 1; Reynolds,
 D. A., 2; Rice, N., 4;
 Ricketts, 1, 2; Root, 2;
 Schultz, 2, 3; Smith, E.
 E.; Smith, J. B., 2, 4;
 Snyder, 1, 2; Walters, 1;
 Wyoming State Board Immi-
 gration; Yancey, 2

Raman Spectra of Coal:

Friedel

Reduction of Coal: Reggel,
 1-3

Reserves and Resources of

Coal: Berryhill, H. L.,
 Jr., 1, 2; Cameron Engin-
 eers, 2; Campbell, 3;
 Dietz; Ford, Bacon and
 Davis, Inc.; Glass, G. B.,
 3-5, 9, 10; Lane, 1; Lund;
 McGraw-Hill, Inc., 2;
 Masursky, 1, 5, 8, 9; Pay-
 ton; Pipiringos, 2, 7;
 Rice, N., 2; Roehler, 5;
 Root, 2; Schultz, 2, 3;
 Smith J. B., 2, 4; U. S.
 Bur. Mines, 3; U. S. Geol.
 Survey, 8

Road Logs: Hart; Lockridge;
 Partridge; Rathbone, 1-4

Rock Springs Coalfield:

Andrew; Blackstone, 4;
 Budd; Campbell, 7; Daven-
 port, 1; Dobbins, 6; Gold-
 ston; Hague; Hayden, 4, 5;
 Hodge; Johnson, W. L.;
 Johnston, R. H.; King, C.,

GREEN RIVER COAL REGION (cont.)

Rock Springs Coalfield:

(cont.) 1; Levene, 5;
 Murphy, T. F.; Payton;
 Peale, 3; Pipiringos, 2;
 Roehler, 5; Root, 2;
 Schultz, 2, 3; Shannon;
 Smith, J. B., 2, 4; Storrs;
 Swann, 1, 2; U. S. Bur.
 Land Management, 5; U. S.
 Geol. Survey, 6, 7; Will-
 son; Yourston

Rock Springs Formation:

Anonymous, 6; Burger, 1,
 2; Douglass; Gosar; Hale,
 1, 2; Johnston, R. H.;
 Keith, 2; McDonald; Mees;
 Roehler, 2; Smith, J. H.,
 1, 2; Smithson; Weichmann

Strippable Reserves of Coal:

Glass, G. B., 3-5, 9, 10;
 Lane, 1; McGraw-Hill, Inc.,
 2; Root, 2; Smith, J. B.,
 2, 4; U. S. Bur. Mines, 3

Structural Geology: Gosar

Tertiary Formations: Glaze;
 Oriel, 2; Root, 2

Ultimate Analyses of Coal

(See Proximate Analyses of
 Coal above)

Wasatch Formation: Bradley,

2; Breger, 1, 2, 4; Cul-
 bertson, 1, 2; Endlich;
 Good; Lawson; Love, 20,
 21; McDonald; Masursky, 1-
 6, 8, 9; Mees; Pipiringos,
 1-7; Root, 2; Trudell, 1,
 2; Waters

Water in Coal-bearing Rocks:

Berry, D. W., 1; Fisk, E.
 P.; Root, 2; Welder, 1, 2

Weathering of Coal:

Schultz, 4

GREEN RIVER FORMATION

Green River Coal Region:

Bradley, 1

GREYS RIVER COALFIELD (See al-
 so HAMS FORK COAL REGION)

General: Schultz, 5, 6

GRINDABILITY

Coal: Ford, Bacon and
 Davis, Inc.

GUNN-QUEALY COAL COMPANY (See also COMPANIES MINING COAL)

General: Anonymous, 6;
Cameron Engineers, 2;
Glass, G. B., 8-10

GUNN-QUEALY COKE PLANT

General: Cameron Engineers,
2; Fagnant, 2; Glass, G.
B., 4, 8, 9

HAMS FORK COAL REGION

Adaville Formation:

Anonymous, 6, 8, 10; Ber-
tagnolli, 1, 2; Furer;
Martin, B. D.; Oriel, 1;
Walker, C. L.

Bear River Formation:

Robinove, 1; Ross, A. R.;
Shipp; White, C. A., 3;
Wyman, R. V.

Bridger Formation:

Koenig, K. J.

Coalfields: Andrews, D. A.,

2; Anonymous, 3; Beeler,
3; Berryhill, H. L., Jr.,
1, 2; Cameron Engineers,
2; Campbell, 7; Dobbin, 5;
Felix, C. E., 1, 2; Ford,
Bacon and Davis, Inc.;
Glass, G. B., 3-5, 8-10;
Goldston; Hague; Hayden,
4; Hodge; Hunter, W. S.,
Jr.; King, C., 1; Knight,
W. C., 2, 5, 7; Lane, 1;
Lesquereux, 1; Long, J.
S., Jr.; MacFarlane, J.;
McGraw-Hill, Inc., 2;
Office Coal Research, 1;
Peale, 3; Rice, N., 2;
Ricketts, 1, 2; Schultz,
1, 5, 6; Shurick; Smith,
J. B., 2, 4; Storrs;
Toenges; Townsend; Union
Pacific Railroad Co.;
U. S. Geol. Survey, 5;
Veatch, 1, 3; Voorhees;
Wilson, W. H., 4;
Zakotnik

Cretaceous Formations:

Oriel, 2

Evanston Coalfield: Camp-

bell, 7; Hayden, 4; Hodge;
Lesquereux, 1; Schultz, 1;
Veatch, 3

HAMS FORK COAL REGION (cont.)

Evanston Formation: Bar-
rett, D. W.; Martin, B.
D.; Oriel, 2; Robinove,
1; Rubey, 2

Formation Names: Randall,
A. G., 1

Frontier Formation: Berry,

E. W.; Frucney; Furer;
Hale, 3, 5; Knight, W.
C., 7; Koenig, R. L.;
Lawrence, J. C.; Litch-
ford; Ross, A. R.; Shipp;
Walker, C. L.; Wyman, R. V.

Geologic Maps: Litchford;

Oriel, 1; Rubey, 3, 4

Greys River Coalfield:

Schultz, 5, 6

Heating of Coal: Rau

History of Coal Mining:

Voorhees; Writers' Program

Hoback Formation: Ross,
A. R.

Kemmerer Coalfield: Anony-

mous, 6, 8, 10; Campbell,
7; Goldston; Hunter, W.
S., Jr.; Jacoby; King, C.,
1; Lujan; May, M.; Salem;
Schultz, 1, 5; Shurick;
Smith, J. B., 2, 4; Sor-
ensen; Thompson, M. W.;
Townsend, D. R.; Veatch,
3; Zakotnik

Laramie Group: Knight, W.

C., 7; Peale, 3; White,
C. A., 2

McDougal Coalfield:

Schultz, 5, 6

Petrography of Coal:

Fraser; O'Donnell

Proximate Analyses of Coal:

Anonymous, 7; Aresco, 1-
17; Beeler, 2, 3, 5, 8;
Berg; Boley, 3; Brown,
R. L.; Cameron Engineers,
2; Campbell, 7; Felix, C.
E., 1, 2; Fieldner, 2-5;
Ford, Bacon and Davis,
Inc.; Frazier; Glass, G.
B., 3-5, 9, 10; Gomez, 2;
Hodge; Horne; Hunter, W.
S., Jr.; Jamison, 2;
Knight, W. C., 2, 7; Lan-
ders, 3; Lefrancois;

HAMS FORK COAL REGION (cont.)

Proximate Analyses of Coal:
 (cont.) Lesquereux, 1;
 Lord, 2; Lund; MacFarlane;
 Marvine; O'Donnell; Parry,
 V. F., 8; Prostel, 1;
 Reynolds, D. A., 2; Ric-
 ketts, 1, 2; Schultz, 1,
 5; Smith, J. B., 2, 4;
 Snyder, 1, 2; Toenges;
 Townsend, D. H.; U. S.
 Bur. Mines, 2; Voorhees;
 Walters, 1, 2; Wyoming
 State Board Immigration
 Reserves and Resources of
 Coal: Berryhill, H. L.,
 Jr., 1, 2; Cameron Engin-
 eers, 2; Dietz, Ford,
 Bacon and Davis, Inc.,
 Glass, G. B., 3-5, 9, 10;
 Hunter, W. S., Jr.; Lane,
 1; Lawrence, J. C.; Mc-
 Graw-Hill, Inc., 2; Rice,
 N., 2; Smith, J. B., 2,
 4; U. S. Bur. Mines, 3;
 U. S. Geol. Survey, 8;
 Voorhees
 Road Logs: Cochran; Ger-
 hard; Partridge; Rubey, 1
 Strippable Reserves of
 Coal: Glass, G. B., 3-5,
 9, 10; Lane, 1; McGraw-
 Hill, Inc., 2; Smith, J.
 B., 2, 4; U. S. Bur.
 Mines, 3
 Structural Geology: Fruc-
 ney; Furer; Hauf; Litch-
 ford
 Tertiary Formations:
 Oriol, 2
 Ultimate Analyses of Coal
 (See Proximate Analyses
 of Coal above)

HANNA COALFIELD

Corrosiveness of Coal:
 O'Gorman, 2
 Cretaceous Formations:
 Bowen, 2; Hares, 1;
 Knight, S. H., 2
 Ferris Formation: Bowen,
 1, 2; Gill, 2
 Formation Names: Agatston
 Fox Hills Formation:
 Fox, J. E., 2

HANNA COALFIELD (cont.)

Friability of Coal:
 Yancey, 2
 General: Anonymous, 3;
 Beeler, 3; Berryhill, H.
 L., Jr., 1, 2; Berta;
 Bowen, 3; Budd; Cameron
 Engineers, 2; Campbell,
 7; Dille; Dobbin, 3, 5;
 Doolittle; Felix, C. E.,
 1, 2; Ford, Bacon and
 Davis, Inc.; Glass, G.
 B., 2-5, 8-10; Goldston;
 Hague; Harmston, 6; Hay-
 den, 4, 5; Hyden, 6;
 Knight, W. C., 2; Lane,
 1; Lesquereux, 1; Long,
 J. S., Jr.; MacFarlane;
 McGraw-Hill, Inc., 2;
 Office Coal Research;
 Rice, N., 2; Ricketts,
 1, 2; Smith, J. B., 2, 4;
 Storrs; Swann, 2; Union
 Pacific Railroad Co.;
 Veatch, 2; Wilson, W.
 H., 4
 Geochemistry of Coal:
 O'Gorman, 2
 Geologic Maps: Bayley;
 Blackstone, 1; Dille;
 Dobbin, 3; Doolittle;
 Harshman; Hyden, 6;
 McAndrews, 1; Merewether,
 1, 2
 Hanna Formation: Bowen,
 1, 2; Dobbin, 3; Ferren
 History of Coal Mining:
 Barnhart; Frazer, M. M.;
 Glass, G. B., 2; Shannon;
 Swann, 2; Union Pacific
 Coal Co.
 Lewis Shale: Davidson
 Medicine Bow Formation:
 Allspach; Blackstone, 1;
 Bowen, 1, 2; Chadeayne;
 Cooper, H. T.; Ferren;
 Fox, J. E., 1, 2
 Mesaverde Group: Allspach;
 Anderson, J. E.; Bauer;
 E. J.; Bergstrom, 1, 3;
 Blackstone, 1; Bowen, 1,
 2; Chadeayne; Cooper, H.
 T.; Crawford, 1; Saulnier

HANNA COALFIELD (cont.)

Petrography of Coal:

O'Donnell; O'Gorman, 1, 2; Selvig, 2

Production Statistics:

Glass, G. B., 2; Lesquereux, 1

Proximate Analyses of Coal:

Allen, Aresco, 2-11, 13-15; Beeler, 5, 8; Berta; Boley, 3; Cameron Engineers, 2; Campbell, 7; Dobbin, 3; Felix, C. E., 1, 2; Fieldner, 3, 5; Flebus; Ford, Bacon and Davis, Inc.; Glass, G. B., 2-5, 9, 10; Gomez, 2; Horne; Jamison, 2; Knight, W. C., 2, 3; Landers, 3; Lesquereux, 1; Lord, 2; Lynn; MacFarlane; Marvine; O'Donnell; Prostel, 1; Reynolds, D. A., 2; Rice, N., 4; Ricketts, 1, 2; Selvig, 2; Smith, J. B., 2, 4; Snyder, 2; U. S. Bur. Mines, 2; Walters, 1; Wyoming State Board Immigration; Yancey, 2

Reclamation of Mined Lands:

Glass, G. B., 2

Reserves and Resources of Coal:

Berryhill, H. L., Jr., 1, 2; Berta; Bowen, 3; Cameron Engineers, 2; Dietz; Dobbin, 3; Ford, Bacon and Davis, Inc., Glass, G. B., 2-5, 9, 10; Harmston, 6; Lane, 1; McGraw-Hill, Inc., 2; Rice, N., 2; Smith, J. B., 2, 4; U. S. Bur. Mines, 3; U. S. Geol. Survey, 8

Resin Content of Coal:

Root, 1; Selvig, 1; White, D.

Road Logs: Berry, G. W.;

Glass, G. B., 2, 6

Spontaneous Combustion of Coal:

Elder, 1; Glass, G. B., 2

HANNA COALFIELD (cont.)

Storage of Coal: Allen

Strippable Reserves of

Coal: Glass, G. B., 2-5, 9, 10; Lane, 1; McGraw-Hill, Inc., 2; Smith, J. B., 2, 4; U. S. Bur. Mines, 3

Structural Geology: Black-

stone, 1; Bowen, 1; Knight, S. H., 2

Surface Mining of Coal:

Glass, G. B., 2

Tertiary Formations: Hares,

1; Knight, S. H., 2

Ultimate Analyses of Coal

(See also Proximate Analyses of Coal above)

Water in Coal-bearing

Rocks: Crawford, 1

HANNA FORMATION

General: Ashley, W. H.;

Blackstone, 3; Bowen; Dobbin, 3, 4; Ferren; Gill, 2; Houston, 1; Hyden, 2-4; Isberg; Shoemaker

Hanna Coalfield: Bowen, 1,

2; Dobbin, 3; Ferren

Rock Creek Coalfield:

Blackstone, 3; Dobbin, 4; Houston, 1; Hyden, 2-4; Isberg

South-central Wyoming:

Ashley, W. H.; Gill, 2; Shoemaker

HAREBELL FORMATION

Jackson Hole Coalfield:

Love, 22

HAY CREEK COALFIELD (See ALADDIN COALFIELD; BLACK HILLS COAL REGION)

HEALTH AND SAFETY (See also ACCIDENTS AND FATALITIES)

Coal Mining: Anonymous, 13; Shoub; U. S. Dept. Interior, 4

HEATING

Coal: Rau

Rate of Heating Coal: Bucklen, 3

HEAT VALUE (See also PROXIMATE ANALYSES OF COAL)
Coal: *Fieldner, 7; Flynn; Glass, G. B., 3-5, 9, 10; Gomez, 3; Porter, 5*
HENRY'S FORK COALFIELD (See also GREEN RIVER COAL REGION)

General: *Gale, 1; Root, 2; Storrs; Vine, 3*

HILLIARD FORMATION

Southwestern Wyoming:
Frerichs

HISTORY OF COAL MINING

General: *Andrew; Anonymous, 14; Barnhart; Chatterton; Cody; Fisk; Frazer, M. N.; Glass, G. B., 2; McAuliffe, 1, 2; Nicolls; Patton; Pence; Quealy; Ricketts, 1, 2; Shannon; Swann, 2; Umbach; Union Pacific Coal Co.; Voorhees; Writers' Program*

HOBACK FORMATION

Hams Fork Coal Region:
Ross, A. R.

Jackson Hole Coalfield:
Dorr

HOMESTAKE MINING COMPANY

General: *Sharp Bits*

HOT SPRINGS COUNTY

Proximate Analyses of Coal:
Fieldner, 8; Rice, N., 2
Reserves and Resources of Coal: *Berryhill, H. L., Jr., 1; Dietz*

Ultimate Analyses of Coal:
(See also Proximate Analyses of Coal above)

HUDSON COALFIELD (See also WIND RIVER COAL BASIN)

General: *Campbell, 7; Eldridge; Morgan, 2; Winchester, 2; Woodruff, 1*

HUMIC ACIDS

Coal: *Vine, 6, 7*

HYDROCARBONIZATION (See also CARBONIZATION OF COAL)

Coal: *Comberlati*

HYDROGENATED BITUMEN

General: *Silver, 1-3*

HYDROGENATION OF COAL (See CONVERSION TO SYNTHETIC FUELS; LIQUEFACTION)

HYDROXYL CONTENT

Coal: *Friedman*

INFRA-RED SPECTRA

Coal: *Friedel*

IN-SITU CONVERSION

Coal: *Hicks, M. E.; Link; Little; Persse, 2; Stephens, D. R.; Wold, 1-3; Woodward*

JACKSON HOLE COALFIELD

Bacon Ridge Sandstone:
Love, 6, 10, 16, 18; McGreevy, 1

Bear River Formation:
Boeckerman; White, C. A., 3

Cody Formation: *Foster, H. L.*

Frontier Formation:
Bergren; Wanless

General: *Anonymous, 3; Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Felix, C. E., 1, 2; Ford, Bacon and Davis, Inc.; Glass, G. B., 3-5, 9; Hayden, 6; Lane, 1; Long, J. S., Jr.; Love, 6; McGraw-Hill, Inc., 2; Office Coal Research, 1; Rice, N., 2; St. John, O., 1, 2; Wilson, W. H., 4*

Geologic Maps: *Love, 10, 23; Rohrer, 3, 4*

Harebell Formation:
Love, 22

Hoback Formation: *Dorr*
Laramie Group: *Bengston*
Mesaverde Group: *Foster, H. L.*

Pinyon Conglomerate: *Love, 6, 11, 16, 18, 22; McGreevy, 1; McKenna*

Reserves and Resources of Coal: *Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Dietz; Ford, Bacon and Davis, Inc.; Glass, G. B., 3-5, 9;*

JACKSON HOLE COALFIELD (cont.)

Reserves and Resources of
 Coal: (cont.) Lane, 1;
 McGraw-Hill, Inc., 2;
 U. S. Geol. Survey, 8
 Road Log: Love, 19
 Tertiary Formations:
 McKenna
 Wasatch Formation: Love, 3
 Wind River Formation:
 Love, 16, 18

JIM BRIDGER POWER PLANT

General: Anonymous, 16;
 Davenport, 1; Glass, G.
 B., 8; U. S. Bur. Land
 Management, 5

JOHNSON COUNTY

Coalfields: Jamison, 2;
 Knight, W. C., 2, 4
 Fort Union Formation:
 Whitcomb, 3
 Reserves and Resources of
 Coal: Berryhill, H. L.,
 Jr., 1; Dietz
 Wasatch Formation: Whit-
 comb, 3
 Water in Coal-bearing
 Rocks: Whitcomb, 3

**KAOLINITE CONTENT (See also
 ASH CONTENT OF COAL;
 MINERAL MATTER)**

Coal: Asquith; Williamson

**KEMMERER COAL COMPANY (See
 also COMPANIES MINING
 COAL)**

General: Anonymous, 6, 8,
 10; Cameron Engineers,
 2; Consalus; Fagnant, 1;
 Glass, G. B., 8-10;
 Zakotnik

**KEMMERER COALFIELD (See also
 HAMS FORK COAL REGION;
 WILLOW CREEK COAL AREA)**

General: Campbell, 7;
 Goldston; Hunter, W. S.,
 Jr., King, C., 1; Schultz,
 1, 5; Shurick; Smith, J.
 B., 2, 4; Townsend, D.
 H.; Veatch, 3; Zakotnik

Production Statistics:
 Anonymous, 6; Hunter,
 W. S., Jr.

KEMMERER COALFIELD (cont.)

Reclamation of Mined Lands:
 Jacoby; Lujan; May, M.;
 Sorensen; Thompson, M. W.
 Surface Mining of Coal:
 Anonymous, 6, 8, 10;
 Salem

**KINDT BASIN COALFIELD (See
 also GREEN RIVER COAL
 REGION)**

General: Endlich

**LA BARGE RIDGE COALFIELD
 (See also GREEN RIVER
 COAL REGION)**

General: Schultz, 5

**LAKOTA FORMATION (See DAKOTA
 FORMATION)****LANCE FORMATION****Bighorn Coal Basin:**

Hewett, D. F., 2

General: Barlow, 3; Bauer,
 C. M., 2; Berry, D. W.,
 1; Crist; Dickey; Dobbin,
 8, 9; Drwenski; Dunlap;
 Good; Hale, 1; Hancock;
 Haun; Henderson, D. K.;
 Hewett, D. F., 2; Jen-
 kins; Johnston, R. H.;
 Keefer, 3, 5, 6; Land;
 Lawson; Lowry, 2; Mc-
 Greevy, 2; Mapel, 3;
 May, B. E.; Mees; Morris,
 2; Purcell, 1; Rapp, 1,
 2; Root, 2; Schlaikjer,
 1, 2; Schroeder; Severn,
 1; Smithson; Trumbull, 3;
 Weimer, 3; Whitcomb, 1,
 2, 4; Yenne

Goshen Hole Coalfield:

Rapp, 2; Schlaikjer, 1, 2

Green River Coal Region:

Barlow, 3; Berry, D. W.,
 1; Dickey; Good; Hale,
 1; Haun; Henderson, D.
 K.; Jenkins; Johnston,
 R. H.; Land; Lawson;
 May, B. E.; Mees; Root,
 2; Severn, 1; Smithson;
 Weimer, 3

Laramie County: Lowry, 2

Paleobotany: Brown, R. W.,
 1; Dorf, 1, 2, 4

LANCE FORMATION (cont.)

Paleoenvironments: *Land*
 Paleontology: *Schlaikjer*,
 1

Palynology: *Leffingwell*
 Platte County: *Morris*, 2

Powder River Coal Basin:
Crist; *Dobbin*, 8, 9;
Drwenski; *Dunlap*; *Han-*
cock; *Mapel*, 3; *Purcell*,
 1; *Rapp*, 1; *Schroeder*;
Trumbull, 3; *Whitcomb*,
 1, 2

Wind River Coal Basin:
Bauer, C. M., 2; *Keefer*,
 3, 5, 6; *McGreevy*, 2;
Whitcomb, 4; *Yenne*

LAND

Classification: *Ashley*,
G. H.; *Bass*; *Townsend*,
R. D.; U. S. Bur. Land
 Management, 1

Ownership: *Cameron Engin-*
eers, 2; U. S. Bur. Land
 Management, 3

Valuation: *Ashley*, G. H.;
Fisher, C. A., 4

LANDER COALFIELD (See HUDSON COALFIELD)**LARAMIE BASIN**

Coalfields: *Siebenthal*
 Geologic Map: *Darton*, 14
 Wind River Formation:
Konkel, 1

LARAMIE COUNTY

Coalfields: *Jamison*, 2;
Knight, W. C., 4
 Geologic Map: *Lowry*, 2
 Lance Formation: *Lowry*, 2
 Water in Coal-bearing Rocks:
Lowry, 2

LARAMIE GROUP

Age: *Bannister*
 Albany County: *Beeler*, 4
 Bighorn Coal Basin: *Darton*,
 8; *Fisher*, C. A., 2
 Black Hills Coal Region:
Knight, W. C., 5
 General: *Adams*, G. I.;
Bannister; *Beeler*, 4;
Bengston; *Darton*, 8, 9;
Endlich; *Fisher*, C. A.,
 2; *Hayden*, 9; *Jamison*, 3,
 4; *King*, C., 2; *Knight*,

LARAMIE GROUP (cont.)

General: (cont.) *W. C.*,
 5, 7; *Leonard*, A. G.;
Peale, 3; *Stanton*; *Ward*;
White, C. A., 1, 2

Goshen Hole Coalfield:
Adams, G. I.

Green River Coal Region:
Endlich; *Jamison*, 4;
Peale, 3; *White*, C. A., 1

Hams Fork Coal Region:
Knight, W. C., 7; *Peale*,
 3; *White*, C. A., 2

Jackson Hole Coalfield:
Bengston

Paleobotany: *Stanton*;
Ward, 1

Paleoenvironments: *White*,
 C. A., 1

Paleontology: *Peale*, 3;
White, C. A., 2

Powder River Coal Basin:
Darton, 9; *Jamison*, 3;
Leonard, A. G.

Southern Wyoming: *Hayden*,
 9; *King*, C., 2

LAWS RELATED TO COAL MINING

Federal: *Cassady*; *Glass*,
 G. B., 10; *Hustace*; *Mor-*
gan, 1; *Trumbull*, 2, 5;
 U. S. Bur. Land Manage-
 ment, 2, 4; U. S. Bur.
 Mines, 3; U. S. Dept.
 Interior, 3

State: *Cassady*; *Glass*, G.
 B., 10; *Ilsley*, 1, 2;
Iverson; *Jamison*, 2; *King*,
 A. E., 1, 2; *Morgan*, 1;
Paul; *Ross*, S. H.; *Trum-*
bull, 2, 5; U. S. Bur.
 Mines, 3; Wyoming Dept.
 Economic Planning and
 Development, 2; Wyoming
 Dept. Environmental Quali-
 ty; Wyoming Geol. Survey,
 3

LEASING COAL LANDS

Acquired Lands: U. S. Bur.
 Land Management, 2
 Federal: *Cameron Engineers*,
 2; *Glass*, G. B., 10; *Hus-*
tace; *Martin*, R. H.;
Smith, J. B., 2, 4; *Town-*
send, R. D.; U. S. Bur.
 Land Management, 2, 4

LEASING COAL LANDS (cont.)

- General: *Miller, D. N., Jr., 3*
 Indian Lands: *Gershuny; Glass, G. B., 10; Townsend, R. D.*
 State: *Cameron Engineers, 2; Glass, G. B., 10; King, A. E., 2; Martin, R. H.; Townsend, R. D.; Wyoming Comm. of Public Lands*

LEGISLATION

- Surface Coal Mining: *Burns; Committee on Interior and Insular Affairs*

LEONARDITE

- General: *Cameron Engineers, 2; Lane, 2; Swanson*

LEWIS SHALE

- General: *Baldwin; Davidson; Montagne*
 Green River Coal Region: *Montagne*
 Hanna Coalfield: *Davidson*
 Rock Creek Coalfield: *Baldwin; Davidson*

LIGHT OIL YIELD

- Coal: *Comberlati; Ford, Bacon and Davis, Inc.; Walters, 2*

LINCOLN COUNTY

- Proximate Analyses of Coal: *Fieldner, 8; Rice, N., 2*
 Reserves and Resources of Coal: *Berryhill, H. L., Jr., 1; Dietz*
 Ultimate Analyses of Coal (See Proximate Analyses of Coal above)

LIQUEFACTION OF COAL (See also CONVERSION TO SYNTHETIC FUELS)

- General: *Anonymous, 4; Cameron Engineers, 1, 2; Doherty; Eddinger, 1, 2; Eisner; Fieldner, 9; Fisher, C. H.; Ford, Fraser and Davis, Inc.; Fraser; Hill, 1; Hoffman, 1, 3; Horne; Ickes; Law; Marzel, 1; O'Donnell; Silver, 1-5; Skinner;*

LIQUEFACTION OF COAL (cont.)

- General: (cont.) *Sprunk; Storch; Wender; Winchester, 3*

LITTLE POWDER RIVER COALFIELD

(See also POWDER RIVER COAL BASIN)

- General: *Davis, J. A.; McKay*

LITTLE SNAKE RIVER COALFIELD

(See also GREEN RIVER COAL BASIN)

- General: *Baker, D. P.; Ball, 1, 2; Ritzma, 1; Roehler, 5; Root, 2*

LOST SPRING COALFIELD (See also POWDER RIVER COAL BASIN)

- General: *Darton, 4; Geslin; Winchester, 1*

LOW-TEMPERATURE DISTILLATION (See DISTILLATION)**MCDUGAL COALFIELD (See also HAMS FORK COAL REGION)**

- General: *Schultz, 5, 6*

MANPOWER (See EMPLOYMENT)**MAPS (See also individual coalfield names)**

- Coalfields: *Anonymous, 3; Bailey, G. E.; Berryhill, H. L., Jr., 2; Campbell, 6; Clabaugh; Denson, 4; Dow; Lane, 1, 2; Root, 2; U. S. Geol. Survey, 4; Wyoming Geol. Survey, 2*
 Coal Mines: *Glass, G. B., 1, 2; Root, 2; Smith, J. B., 2, 4*
 Geologic: *Berry, D. W., 1; Boardman; Campbell, 8; Love, 8, 15; McIntosh; Tourtelot, H. A., 2*
 Reserves and Resources of Coal: *Anonymous, 3; Bailey, G. E.; Berryhill, H. L., Jr., 2; Clabaugh; Dow; Lane, 1, 2; Root, 2*

MARKET ANALYSIS AND OUTLOOK

- Coal: *Anonymous, 12, 13; Davenport, 2; Glass, G. B., 10; Heiner, A. P.; Heiner, C. P.; Link; National Coal Assoc., 1;*

MARKET ANALYSIS AND OUTLOOK
(cont.)

Coal: (cont.) Office Coal Research, 1; Persse, 2; Risser, 4; U. S. Bur. Mines, 9

MEDICINE BOW FORMATION

General: Allspach; Baldwin; Barlow, 1; Blackstone, 1, 3; Bowen, 1, 2; Chadeayne; Cooper, H. T.; Ferren; Fox, J. E., 1, 2; Gill, 2; Guyton; Houston, 1; Isberg; Montagne

Green River Coal Region: Barlow, 1; Guyton; Montagne

Hanna Coalfield: Allspach; Blackstone, 1; Bowen, 1, 2; Chadeayne; Cooper, H. T.; Ferren; Fox, J. E., 1, 2

Microfossils: Fox, J. E., 1

Paleoenvironments: Fox, J. E., 1, 2

Paleontology: Fox, J. E., 2; Starkey

Rock Creek Coalfield: Baldwin; Blackstone, 3; Houston, 1; Isberg

South-central Wyoming: Fox, J. E., 2; Gill, 2

MEETEETSE COALFIELD (See also BIGHORN COAL BASIN)

General: Eldridge; Fisher, C. A., 1-3; Hewett, D. F., 3; Pierce, 1; Woodruff, 2

MEETEETSE FORMATION

Bighorn Coal Basin: Downs, 1, 2; Fisher, C. A., 2; Hewett, D. F., 1, 2; Hintze, 2; Horn; Knight, S. H., 1; Long, E. G.; Pierce, 1; Robinove, 2; Trotter; Walton, 1, 2; Ziegler, 2, 3

General: Crist; Downs, 1, 2; Fisher, C. A., 2; Hewett, D. F., 1, 2; Hintze, 2; Horn; Keefer, 3, 5-7; Knight, S. H., 1; Long, E. G.; Love, 5; McGreevy, 2; Pierce, 1;

MEETEETSE FORMATION (cont.)

General: (cont.) Robinove, 2; Trotter; Walton, 1, 2; Whitcomb, 4; Workum; Yenne; Ziegler, 2, 3

Powder River Coal Basin: Crist

Wind River Coal Basin: Keefer, 3, 5-7; Love, 5; McGreevy, 2; Whitcomb, 4; Workum; Yenne

MERCURY CONTENT (See also TRACE ELEMENTS)

Coal: Joensuu

MESAVERDE GROUP (FORMATION)
(See also ALMOND FORMATION; ROCK SPRINGS FORMATION)

Bighorn Coal Basin:

Berry, D. W., 2; Downs, 1, 2; Horn; Keefer, 10; Knight, S. H., 1; Krampert; Long, E. G.; Pierce, 1; Powell; Robinove, 2; Severn, 2; Walton, 1, 2; Ziegler, 2, 3

General: Allspach; Anderson, J. E.; Barlow, 1; Barwin, 2; Bauer, C. M., 1, 2; Bauer, E. J.; Bergstrom, 1-3; Berry, D. W., 2; Blackstone, 1, 3; Bowen, 1, 2; Chadeayne; Chuman, 1, 2; Cooper, H. T.; Crawford, 1, 2; Crist; Davis, J. R., 1, 2; Dobbin, 2, 4; Downs, 1, 2; Faulkner; Foster, H. L.; Gill, 2; Guyton; Hale, 4; Hallock; Headley; Henderson, D. K., 1; Horn; Hubley; Hyden, 1, 3; Isberg; Jamison, 1; Jenkins; Keefer, 3, 5, 7, 10; Knight, S. H., 1; Krampert; Levorsen; Long, E. G.; Love, 5; McDonald; Mees; Montagne; Morris, 1; Murphy, J. F., 1, 2; Pierce, 1; Powell; Purcell, 1, 2; Rich; Robinove, 2; Root, 2; Saulnier; Sears; Severn, 2; Shaughnessy; Shoemaker;

MESAVERDE GROUP (cont.)

General: (cont.) Thompson, R. M., 2; Troyer, 1; Tutten; Van Houten, 3; Walton, 1, 2; Wegemann, 1, 5; Weichmann; Weimer, 3; Whitcomb, 4; Wills; Workum; Yenne; Ziegler, 1-3

Green River Coal Region:

Barlow, 1; Chuman, 1, 2; Davis, J. R., 1; Dobbin, 2; Guyton; Hale, 4; Hallock; Henderson, D. K., 1; Jenkins; Levorsen; McDonald; Mees; Montagne; Root, 2; Sears; Shaughnessy; Tutten; Weichmann; Weimer, 3

Hanna Coalfield: Allspach; Anderson, J. E.; Bauer, E. J.; Bergstrom, 1, 3; Blackstone, 1; Bowen, 1, 2; Chadeayne; Cooper, H. T.; Crawford, 1; Saulnier

Jackson Hole Coalfield:

Foster, H. L.

Paleobotany: Brown, R. W., 3

Paleoenvironments:

Anderson, J. E.

Palynology: Guenel

Powder River Coal Basin:

Crist; Headley; Purcell, 1, 2; Wegemann, 1, 5

Rock Creek Coalfield:

Bauer, E. J.; Bergstrom, 2; Blackstone, 3; Dobbin, 4; Hyden, 1, 3; Isberg; Saulnier

Southern Wyoming: Davis,

J. R., 2; Gill, 2;

Shoemaker

Wind River Coal Region:

Barwin, 2; Bauer, C. M., 1, 2; Crawford, 2; Faulkner; Hubley; Jamison, 1; Keefer, 3, 5, 7, 10; Love, 5; Morris, 1; Murphy, J. F., 1, 2; Rich; Thompson, R. M., 2; Troyer, 1; Van Houten, 3; Whitcomb, 4; Wills; Workum; Yenne; Ziegler, 1

METHANE IN COAL

Escape: Porter, 2

Water Contamination:

Whitcomb, 3

MICROFOSSILS (See also individual formation names;

PALEOBOTANY; PALEONTOLOGY; PALYNOLOGY)

Coal-Bearing Rocks:

Barrett, D. W.; Fox, J. E., 1; Martin, B. D.;

Wilson, L. R., 2

MINE PLANNING AND DEVELOPMENT (See MINING)

MINERAL MATTER (See also

ASH CONTENT OF COAL;

MINERALOGY; TRACE

ELEMENTS)

Coal: O'Gorman, 1, 2;

Yancey, 3

MINERALOGY (See also MINERAL

MATTER)

Coal: Breger, 4

MINING (See also individual

coal-bearing regions,

coalfield names, company

names; COMPANIES MINING

COAL; IN-SITU UTILIZA-

TION; SURFACE MINING OF

COAL; UNDERGROUND MINING

OF COAL)

Accidents and Fatalities:

Adams, W. W., 1-35; Fay,

1-9; Heiner, C. P.; Hor-

ton, 1-3; Humphrey; Kintz;

Machisak; Moyer, 1-3;

Parker, D. J.; Reese, 1-

3; Wyoming State Insp.

Mines

Companies: Anonymous, 6,

8, 10-12, 14-16; Beeler,

3; Big Horn Coal Co.;

Blackstone, 4; Budd; Cam-

eron Engineers, 2; Con-

salus; Dodge; Duell; Fag-

nant, 1; Frazer, M. M.;

Glass, G. B., 2-5, 8-10;

Keenan; Lane, 1; Levene,

2; McAuliffe, 1, 2; Mc-

Craw-Hill, Inc., 1; Paci-

fic Power and Light Co.;

Reiss; Rulli; Sharp Bits;

Union Pacific Coal Co.;

Union Pacific Railroad Co.;

MINING (cont.)

- Companies: (cont.) U. S. Bur. Mines, 10; Writers' Program; Wyoming Dept. Economic Planning and Development, 1; Zakotnik
- Costs: Humphreys; Levene, 1; Link
- Environmental Impact: Austin; Burke; Carlin; Ellis; Gibson, D.; Glass, G. B., 7; Gwynn, 2; Hicks, L.; Josephy; Persse, 2, 3; U. S. Dept. Agriculture; U. S. Dept. Interior, 2
- Fatalities (See Accidents and Fatalities above)
- Forecast and Outlook: Anonymous, 2, 13; Averitt, 6; Bagge, 1, 2; Brauch, 2; Davenport, 2; DeVaron; Dietz; Drain; Evans; Goldston; Harding; Hathaway; Heiner, A. P.; Link; Meyerhoff; Miller, D. N., Jr., 2, 4; Naughton; O'Conner; Office Coal Research, 1; Parry, V. F.; Perkins; Perry; Phelps; Rifakes; Risser, 3, 4; Skalla; Soher; Wyoming Dept. Economic Planning and Development, 4; Zaffarano
- Methods in General: Anonymous, 10; Glass, G. B., 8, 10; Heiner, C. P.; Hotchkiss; National Coal Assoc., 3
- Planning and Development: Carmichael; Hotchkiss; Willson
- Waste Products: Lucas
- MOISTURE CONTENT (See also PROXIMATE ANALYSES OF COAL)
- Coal: Glass, G. B., 3-5, 9, 10; Gomez, 3; Lord, 1
- MONTANA GROUP
- Bighorn Coal Basin: Hintze, 1
- General: Darton, 13; Hintze, 1; Trumbull, 3

MONTANA GROUP (cont.)

- Powder River Coal Basin: Trumbull, 3
- Rock Creek Coalfield: Darton, 13
- MUDDY CREEK COALFIELD (See also WIND RIVER COAL REGION)
- General: Eldridge; Winchester, 2
- MUDDY SANDSTONE
- Bighorn Coal Basin: Paull
- Central Wyoming: Curry, 1
- NATRONA COUNTY
- Coalfields: Jamison, 2; Knight, W. C., 4
- Geologic Maps: Crist; Weitz, 3
- Proximate Analyses of Coal: Fieldner, 8
- Reserves and Resources of Coal: Berryhill, H. L., Jr., 1; Dietz
- Ultimate Analyses of Coal (See Proximate Analyses of Coal above)
- NATURAL SLAG (See BAKED SHALE)
- NAUGHTON POWER PLANT
- General: Anonymous, 8; Cameron Engineers, 2; Fagnant, 1; Glass, G. B., 8; Utah Power and Light Co.
- NEIL SIMPSON POWER PLANT
- General: Glass, G. B., 8; Levene, 2
- NEWCASTLE FORMATION
- Black Hills Coal Region: Baker, D. R.
- Paleoenvironments: Baker, D. R.
- NIOBRARA COUNTY
- Reserves and Resources of Coal: Berryhill, H. L., Jr., 1; Dietz
- Water in Coal-bearing Rocks: Whitcomb, 2
- NITROGEN CONTENT (See also ULTIMATE ANALYSES)
- Coal: Kinney
- OIL IN COAL
- General: Veatch, 4

- OREGON BASIN COALFIELD (See also BIGHORN COAL BASIN)
 General: *Hewett, D. F., 1; Pierce, 1; Woodruff, 2*
- OVERBURDEN (See also individual coal company names)
 Surface Mines: *Glass, G. B., 2-5, 9, 10; Young, 2, 3, 5*
 Valuation of Coal Lands: *Fisher, C. A., 4*
- OXIDATION (See also WEATHERING)
 Coal: *Bucklen, 3; Porter, 4*
- OXYGEN CONTENT (See also ULTIMATE ANALYSES OF COAL)
 Coal: *Abernethy, 4*
- PACIFIC POWER AND LIGHT COMPANY (See also COMPANIES MINING COAL)
 General: *Anonymous, 15, 16; Cameron Engineers, 2; Duell; Glass, G. B., 8-10; Pacific Power and Light Co.*
- PALEOBOTANY (See also individual coal-bearing formations; MICROFOSSILS; PALYNOLOGY)
 Coal-bearing Rocks: *Andrews, H. N., Jr.; Berry, E. W.; Brown, R. W., 1, 3, 5; Cope, 4, 6; Dorf, 1-4; Fontaine; Knowlton, 1, 2; Lesquerieux, 1, 3, 4; Newberry; Schopf, 1; Stanton; Ward, 1, 2; White, D.*
- PALEOENVIRONMENTS (See also individual coal-bearing formations)
 Coal-bearing Rocks: *Anderson, J. E.; Baker, D. R.; Baldwin; Berry, E. W.; Brown, R. W., 5; Burgess; Curtis; Fox, J. E., 1, 2; Glaze; Houston, 3; Jacka, 1; Land; Lewis, 1; McCubbin; Martin, B. D.; Roehler, 1; Schopf, 3; Weimer, 2, 5; White, C.*
- PALEOENVIRONMENTS (cont.)
 Coal-bearing Rocks: (cont.)
A., 1; Wilson, L. R., 2
- PALEONTOLOGY (See also individual coal-bearing formations; MICROFOSSILS)
 Coal-bearing Rocks: *Cope, 4, 5; Fox, J. E., 2; Hayden, 5, 7; Henderson, J.; Knowlton, 1; McKenna; Peale, 3; Peck; Schlaikjer, 1; Starkey; Wegemann, 4; White, C. A., 1, 2*
- PALYNOLOGY (See also individual coal-bearing formations; MICROFOSSILS; PALEOBOTANY)
 Coal-bearing Rocks: *Burgess; Guennel; Houston, 1; Leffingwell; Tschudy; Upshaw, 1-3; Wilson, L. R., 1-3*
- PARK COUNTY
 Coalfields: *Jamison, 2*
 Proximate Analyses of Coal: *Fieldner, 8; Rice, N., 2*
 Reserves and Resources of Coal: *Berryhill, H. L., Jr., 1; Dietz*
 Ultimate Analyses of Coal (See Proximate Analyses of Coal above)
- PEABODY COAL COMPANY
 General: *Anonymous, 12*
- PEAT
 Hydrologic Properties: *Sturges*
- PETROGRAPHY (See also individual coal-bearing regions)
 Coal: *Eisner; Fieldner, 9; Fisher, C. H.; Fraser; Friedman; O'Donnell; O'Gorman, 1, 2; Schopf, 2, 3; Selvig, 2*
- PHOSPHORUS CONTENT (See also TRACE ELEMENTS)
 Coal: *Abernethy, 3, 5*
- PHYSICAL COMPOSITION (See also CHARACTERISTICS; PETROGRAPHY)
 Coal: *Friedman*

PILLAR EXTRACTION (See UNDERGROUND MINING OF COAL)

PILOT BUTTE COALFIELD (See also WIND RIVER COAL BASIN)

General: Eldridge; Winchester, 2

PINE RIDGE SANDSTONE

Rock Creek Coalfield: Siebenthal

PINYON CONGLOMERATE

Jackson Hole Coalfield: Love, 6, 11, 16, 18, 22; McGreevy, 1; McKenna

PLASTICITY

Coal: Fieldner, 10; Reynolds, D. A., 2; Walters, 1

PLATTE COUNTY

Lance Formation: Morris, 2

POROSITY

Coal: Gan

POTASSIUM CONTENT (See also TRACE ELEMENTS)

Coal: Abernethy, 3

POWDER RIVER COAL BASIN

Barber Coalfield: Wegemann, 3

Benton Shale: Wegemann, 5

Buffalo Coalfield: Darton, 4, 9, 11; Eldridge; Falvey; Gale, 2; Mapel, 1, 2, 4; Smith, J. B., 2, 4

Coalfield Maps: Denson, 4; Berryhill, H. L., Jr., 2

Coalfields: Anonymous, 3; Baker, A. A.; Barbour; Beeler, 3; Beroni, 1; Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Campbell, 7; Darton, 4, 7, 9-11; Davis, J. A.; Denson, 4; Dobbin, 1, 5; Eldridge; Everett; Falvey; Felix, C. E., 1, 2; Ford, Bacon and Davis, Inc.; Gale, 2; Geslin; Glass, G. B., 3-5, 8-10; Hodson; Johnson, W. J.; Kennedy; Knight, W. C., 2; Lane, 1; Leonard, A. G.; Long, J. S., Jr.; McGraw-Hill, Inc., 2; McKay; Mapel, 1-4, 10;

POWDER RIVER COAL BASIN (cont.)

Coalfields: (cont.) Office Coal Research, 1; Olive, 1, 2; Rice, N., 2; Ricketts, 1, 2; Schell; Sharp Bits; Shaw; Simmons, 2; Smith, J. B., 2, 4; Stone, 1; Storrs; Taff; Thom; Troyer, 2; Wegemann, 1-3, 5, 6; Wilson, W. H., 4; Winchester, 1, 2

Colorado Group: Trumbull, 3

Corrosiveness of Coal: O'Gorman, 2

Cretaceous Formations: Hares, 1

De Smet Formation: Darton, 10, 11

Dry Cheyenne Coalfield: Geslin; Smith, J. B., 2, 4; Wegemann, 6

Formation Names: Randall, A. G., 4

Fort Union Formation: Ball, 3; Beikman; Brown, R. W., 4; Crist; Curry, 2; Dobbin, 8, 9; Geslin; Hose, 1, 2; Kohout; Littleton; Lowry, 1; Mapel, 3; Olive, 1, 2; Rapp, 1; Robinson; Sharp, 2; Trumbull, 3; Warner; Wegemann, 1, 4, 5; Whitcomb, 1, 2; Wold, 3

Fox Hills Sandstone: Drwenski; Jamison, 3

Frontier Formation: Towse

Geochemistry of Coal: O'Gorman, 2

Geologic Maps: Darton, 10, 11; Denson, 4; Dobbin, 8, 9; Harshman; Hose, 1; Love, 7, 9; McKay; Mapel, 2, 10; Schell; Sharp, 1; Thompson, R. M., 3

Gillette Coalfield: Beroni, 1; Dobbin, 1; Geslin; Smith, J. B., 2, 4; Thom

Glenrock Coalfield: Campbell, 7; Darton, 4; Geslin; Shaw; Smith, J. B., 2, 4

POWDER RIVER COAL BASIN (cont.)

- Lance Formation: Crist;
Dobbin, 8, 9; Drwenski;
Dunlap; Hancock; Mapel,
3; Purcell, 1; Rapp, 1;
Schroeder; Trumbull, 3;
Whitcomb, 1, 2
- Laramie Group: Darton, 9;
Jamison, 3; Leonard, A.
G.
- Little Powder River Coal-
field: Davis, J. A.;
McKay
- Lost Spring Coalfield:
Darton, 4; Geslin;
Winchester, 1
- Meeteetse Formation:
Crist
- Mesaverde Group: Crist;
Headley; Purcell, 1, 2;
Wegemann, 1, 5
- Montana Croup: Trumbull,
3
- Petrography of Coal:
Fieldner, 9; Fraser;
O'Donnell; O'Gorman, 1,
2; Selvig, 2
- Powder River Coalfield:
Barbour; Eldridge; Mc-
kay; Mapel, 10; Smith,
J. B., 2, 4; Stone, 1;
Winchester, 2
- Proximate Analyses of Coal:
Aresco, 1-4, 6-17; Baker,
A. A.; Barbour; Beeler, 2,
3, 5, 8; Boley, 3; Brown,
R. L.; Cameron Engineers,
2; Campbell, 2, 4, 7;
Davis, J. D.; Felix, C.
E., 1, 2; Fieldner, 2,
3, 5, 9; Ford, Bacon and
Davis, Inc.; Gale, 2;
Gan; Glass, G. B., 3-5,
9, 10; Gomez, 2; Horne;
Jamison, 2; Knight, W.
C., 2; Landers, 3; Lord,
2; Lynn; O'Donnell;
O'Gorman, 1; Pope; Por-
ter, 3; Prostel, 1; Rey-
nolds, D. A., 1, 2; Rice,
N., 2, 4; Selvig, 2; Shaw;
Smith, J. B., 2, 4; Sny-
der, 1, 2; U. S. Bur.
Mines, 2; U. S. Geol.

POWDER RIVER COAL BASIN (cont.)

- Proximate Analyses of Coal:
(cont.) Survey, 1, 2;
Walters, 2; Wegemann, 1,
5; Wold, 2; Wyoming State
Board Immigration;
Zubovic, 2
- Pumpkin Buttes Coalfield:
Geslin; Troyer, 2; Wege-
mann, 6
- Reclamation of Mined Lands:
Big Horn Coal Co.; Persse,
1, 3; Reiss; Rulli; San-
doval
- Reserves and Resources of
Coal: Baker, A. A.;
Beikman; Berryhill, H.
L., Jr., 1, 2; Cameron
Engineers, 2; Davis, J.
A.; Dietz; Dobbin, 1;
Ellis; Ford, Bacon and
Davis, Inc.; Glass, G.
B., 3-5, 9, 10; Harmston,
1; Hose, 2; Lane, 1, 2;
McGraw-Hill, Inc., 2;
Mapel, 1-4; Olive, 1, 2;
Persse, 2; Rice, N., 2;
Smith, J. B., 2, 4; U. S.
Bur. Mines, 3; U. S.
Geol. Survey, 8; Wege-
mann, 2, 3
- Road Logs: Brady, 1-3;
Cree; Madison; Mohl; Rea;
Stewart
- Sheridan Coalfield: Baker,
A. A.; Beroni, 1; Camp-
bell, 7; Darton, 4, 7, 9,
10; Eldridge; Falvey;
Link; National Coal Assoc.,
4; Parry, V. F., 1; Por-
ter, 5; Simmons, 2; Smith,
J. B., 2, 4; Taff; Ting;
White, D.
- Spontaneous Combustion of
Coal: Elder, 1
- Spotted Horse Coalfield:
Olive, 1, 2; Smith, J.
B., 2, 4
- Strippable Reserves of Coal:
Glass, G. B., 3-5, 9, 10;
Lane, 1; McGraw-Hill, Inc.,
2; Smith, J. B., 2, 4;
U. S. Bur. Mines, 3

POWDER RIVER COAL BASIN (cont.)

Structural Geology: Baker, A. A.; Curry, 2

Sussex Coalfield: Smith, J. B., 2, 4; Wegemann, 1, 2, 5

Tertiary Formations: Denson, 3; Hail; Hares, 1

Ultimate Analyses of Coal: (See Proximate Analysis of Coal above)

Wasatch Formation: Beikman; Curry, 2; Geslin; Hose, 1, 2; Kohout; Littleton; Lowry, 1; Mapel, 1-4; Olive, 1, 2; Robinson; Sharp, 2; Wegemann, 4, 5; Whitcomb, 1, 3; Wold, 3

Water in Coal-bearing Rocks: Crist; Hodson, 1; Kohout; Rapp, 1; Warner; Whitcomb, 1, 3

Weathering of Coal: Parry, V. F., 1; Porter, 5

POWDER RIVER COALFIELD (See also POWDER RIVER COAL BASIN)

General: Barbour; Eldridge; McKay; Mapel, 10; Stone, 1; Winchester, 2

POWDER RIVER COALFIELD (See WIND RIVER COAL BASIN)

POWER GENERATION (See also COMBUSTION; POWER PLANTS)

Consumption of Coal: U. S. Dept. Interior, 5

Forecast and Outlook: Cameron Engineers, 1, 2; Dominy; Federal Power Commission; Glass, G. B., 10; Governor's Electric Power Advisory Committee; Hall; Konselman; Levene, 3; Office Emergency Preparedness; Persse, 2; Rifakes

General: Cameron Engineers, 1, 2; Clark; Dominy; Elder, 2; Federal Power Commission; Glass, G. B., 10; Governor's Electric Power Advisory Committee; Gronhøvd; Hall; Konselman;

POWER GENERATION (cont.)

General: (cont.) Levene, 2, 3; Ma; Office Emergency Preparedness; Persse, 2; Rifakes; Spencer; U. S. Dept. Interior, 5

POWER PLANTS (See also individual plant names;

POWER GENERATION)

Air-cooled Version: Levene, 2

Ash Fouling by Coal: Spencer

Consumption of Coal: Persse, 2; U. S. Dept. Interior, 5

Directory: McGraw-Hill, Inc., 2

Emissions: Elder, 2; Governor's Electric Power Advisory Committee; Gronhøvd; Ma

Environmental Impact: Harrington, R. E.; Josephy; Persse, 2; Shafer; U. S. Bur. Land Management, 5

General: Anonymous, 8, 15, 16; Cameron Engineers, 2; Clark; Davenport, 1; Duell; Fagnant, 1; Glass, G. B., 8; Governor's Electric Power Advisory Committee; Lane, 1; Levene, 2; Pacific Power and Light Co.; U. S. Bur. Land Management, 1, 5; Utah Power and Light Co.

Water Requirements: Cameron Engineers, 1, 2; Clark; Persse, 2

Wyoming: Glass, G. B., 8; Governor's Electric Power Advisory Committee; Lane, 1

PREPARATION (See also DRYING COAL; WASHABILITY OF COAL)

Coal: Burke; Ellman; Fraser; Lucas; Yancey, 4; Zimmerman

PRODUCTION STATISTICS FOR COAL MINING (See also individual coal-bearing regions and coalfield names)

PRODUCTION STATISTICS FOR
COAL MINING (cont.)

Forecast and Outlook:

Anonymous, 2, 13; Averitt, 6; Bagge, 1, 2; Brauch, 2; Davenport, 2; DeVaron; Dietz; Drain; Evans; Goldston; Harding; Hathaway; Heiner, A. P.; Link; Meyerhoff; Miller, D. N., Jr., 2, 4; Naughton; O'Conner; Office Coal Research, 1; Parry, V. F., 2, 5; Perkins; Perry; Phelps; Rifakes; Risser, 3, 4; Skalla; Soher; Wyoming Dept. Economic Planning and Development, 4; Zaffarano

General: Andrew; Anonymous, 6; Bartlett, 1, 2; Beeler, 2, 3, 5-8; Birch; Blackstone, 2; Brauch, 1, 2; Cameron Engineers, 1, 2; Campbell, 9; DeCarlo, 2; Dietz; Fieldner, 5; Glass, G. B., 2-5, 9, 10; Harmston, 1, 4; Heiner, C. P.; Hunter, W. S., Jr.; Knight, W. C., 2; Lesquereux, 1; Link; McAuliffe, 1; Machisak; Marzel, 1-3; Morgan, 3; National Coal Assoc., 1, 3; Parry, V. F., 2, 5; Payton; Pumpelly; Quealy; Ricketts, 1, 2; Shannon; Thompson, R. M., 2; U. S. Bur. Mines, 1, 4, 6, 8; U. S. Dept. Interior, 5; U. S. Geol. Survey, 3; Wyoming Dept. Economic Planning and Development, 3, 4; Wyoming State Board Immigration; Wyoming State Insp. Mines

Sulfur Content of Production:
DeCarlo, 2

United States: Campbell, 9; National Coal Assoc., 1, 3; U. S. Bur. Mines, 4, 6, 8; U. S. Dept. Interior, 5

Western States: Heiner, C. P.; Parry, V. F., 2, 5

PRODUCTION STATISTICS FOR
COAL MINING (cont.)

Wyoming: Glass, G. B., 3-5, 9, 10; U. S. Bur. Mines, 1; Wyoming State Insp. Mines

Wyoming Territory:
Shannon

PROPERTIES (See also individual properties)

Coal: Langtry; Lynn

PROSPECTING PERMITS FOR COAL
EXPLORATION

Federal Land: Glass, G. B., 10; Hustace; U. S. Bur. Land Management, 4
State Land: Glass, G. B., 10; King, A. E., 2

PROXIMATE ANALYSES OF COAL

Albany County: Beeler, 4; Fieldner, 8; Rice, N., 2
Bighorn Coal Basin:
Aresco, 2, 3, 5-9, 14; Beeler, 5, 8; Cameron Engineers, 2; Campbell, 2, 4, 7; Fieldner, 2, 3, 5; Fisher, C. A., 1; Ford, Bacon and Davis, Inc.; Glass, G. B., 3-5, 9, 10; Gomez, 2; Horne; Knight, S. H., 1; Lord, 2; Pierce, 2; Pope; Rice, N., 4; Smith, J. B., 2, 4; Snyder, 1, 2; U. S. Geol. Survey, 1

Big Horn County: Darton, 8; Fieldner, 8; Rice, N., 2

Black Hills Coal Region:
Beeler, 2, 3, 5, 8; Cameron Engineers, 2; Campbell, 2, 4, 7; Felix, C. E., 1, 2; Fieldner, 2, 5; Ford, Bacon and Davis, Inc.; Gomez, 2; Jamison, 2; Knight, W. C., 2; Levene, 1; Lord, 2; Ricketts, 2; U. S. Geol. Survey, 1, 2; Wyoming State Board Immigration

Campbell County: Fieldner, 8; Rice, N., 2

Carbon County: Aresco, 3, 8; Fieldner, 8; Jamison, 2; Lord, 2; Rice, N., 2;

PROXIMATE ANALYSES OF COAL
(cont.)

Carbon County: (cont.)
Ricketts, 1, 2
Converse County: Fieldner,
8; Rice, N., 2
Fremont County: Fieldner,
8; Rice, N., 2; Wyoming
State Board Immigration
General: Babcock, E. J.;
Beeler, 3, 5, 8; Brecken-
ridge; Cameron Engineers,
2; Campbell, 7; Felix, C.
E., 1, 2; Fieldner, 2-5,
8; Ford, Bacon and Davis,
Inc.; Glass, G. B., 3-5,
9, 10; Gomez, 2; Hodge;
Horne; Jamison, 2; Knight,
W. C., 2; Landers, 3;
Lord, 2; MacFarlane; Mc-
Graw-Hill, Inc., 1; Mar-
vine; Parry, V. F., 5;
Rice, N., 2; Ricketts,
1, 2; Smith, J. B., 2,
4; Snyder, 1, 2; Somer-
meier; U. S. Bur. Mines,
4; U. S. Geol. Survey, 3;
Wyoming State Board Immi-
gration
Goshen Hole Coalfield:
Knight, W. C., 2
Green River Coal Region:
Aresco, 1-9, 11, 14, 15;
Ball, 1, 2; Beeler, 2, 3,
5, 8; Boley, 3; Cameron
Engineers, 2; Campbell,
7; Endlich; Fieldner, 2,
3, 5; Ford, Bacon and
Davis, Inc.; Frazier;
Friedman; Glass, G. B.,
3-5, 9, 10; Gomez, 2;
Hodge; Jamison, 2; King,
C., 1; Knight, W. C., 2;
Landers, 3; Lesquereux,
1; Lord, 2; Lund; MacFar-
lane; Marvine; O'Donnell;
Parry, V. F., 6; Payton;
Pipiringos, 4; Pope; Prost-
tel, 1; Reynolds, D. A.,
2; Rice, N., 4; Ricketts,
1, 2; Root, 2; Schultz,
2, 3; Smith, E. E.; Smith,
J. B., 2, 4; Snyder, 1, 2;
Walters, 1; Wyoming State

PROXIMATE ANALYSES OF COAL
(cont.)

Green River Coal Region:
(cont.) Board Immigra-
tion; Yancey, 2
Hams Fork Coal Region:
Anonymous, 7; Aresco, 1-
17; Beeler, 2, 3, 5, 8;
Berg; Boley, 3; Brown,
R. L.; Cameron Engineers,
2; Campbell, 7; Felix,
C. E., 1, 2; Fieldner,
2-5; Ford, Bacon and
Davis, Inc.; Frazier;
Glass, G. B., 3-5; 9, 10;
Gomez, 2; Hodge; Horne;
Hunter, W. S., Jr.; Jami-
son, 2; Knight, W. C., 2,
7; Landers, 3; Lefrancois;
Lesquereux, 1; Lord, 2;
Lund; MacFarlane; Mar-
vine; O'Donnell; Parry,
V. F., 8; Prostel, 1;
Reynolds, D. A., 2; Ric-
ketts, 1, 2; Schultz, 1,
5; Smith, J. B., 2, 4;
Snyder, 1, 2; Toenges;
Townsend, D. H.; U. S.
Bur. Mines, 2; Voorhees;
Walters, 1, 2; Wyoming
State Board Immigration
Hanna Coalfield: Allen;
Aresco, 2-11, 13-15;
Beeler, 5, 8; Berta;
Boley, 3; Cameron Engin-
eers, 2; Campbell, 7;
Dobbin, 3; Felix, C. E.,
1, 2; Fieldner, 3, 5;
Flebus; Ford, Bacon and
Davis, Inc.; Glass, G.
B., 2-5, 9, 10; Gomez, 2;
Horne; Jamison, 2; Knight,
W. C., 2, 3; Landers, 3;
Lesquereux, 1; Lord, 2;
Lynn; MacFarlane; Marvine;
O'Donnell; Prostel, 1;
Reynolds, D. A., 2; Rice,
N., 4; Ricketts, 1, 2;
Selvig, 2; Smith, J. B.,
2, 4; Snyder, 2; U. S.
Bur. Mines, 2; Walters,
1; Wyoming State Board
Immigration; Yancey, 2

PROXIMATE ANALYSES OF COAL

(cont.)

Hot Springs County: *Fieldner, 8; Rice, N., 2*
 Lincoln County: *Fieldner, 8; Rice, N., 2*
 Natrona County: *Fieldner, 8*
 Park County: *Fieldner, 8; Rice, N., 2*
 Powder River Coal Basin:
Aresco, 1-4, 6-17; Baker, A. A.; Barbour; Beeler, 2, 3, 5, 8; Boley, 3; Brown, R. L.; Cameron Engineers, 2; Campbell, 2, 4, 7; Davis, J. D.; Felix, C. E., 1, 2; Fieldner, 2, 3, 5, 9; Ford, Bacon and Davis, Inc.; Gale, 2; Gan; Glass, G. B., 3-5, 9, 10; Gomez, 2; Horne; Jamison, 2; Knight, W. C., 2; Landers, 3; Lord, 2; Lynn; O'Donnell; O'Gorman, 1; Pope; Porter, 3; Prostel, 1; Reynolds, D. A., 1, 2; Rice, N., 2, 4; Selvig, 2; Shaw; Smith, J. B., 2, 4; Snyder, 1, 2; U. S. Bur. Mines, 2; U. S. Geol. Survey, 1, 2; Walters, 2; Wegemann, 1, 5; Wold, 2; Wyoming State Board Immigration; Zubovic, 2
 Rock Creek Coalfield:
Beeler, 4, 8; Cameron Engineers, 2; Fieldner, 3, 5; Ford, Bacon and Davis, Inc.; Frazier; Gomez, 2; Hague; Hyden, 3; Knight, W. C., 2;
 Sheridan County: *Fieldner, 8; Rice, N., 2*
 Sweetwater County: *Rice, N., 2; Root, 2*
 Teton County: *Reynolds, D. A., 2*
 Uinta County: *Fieldner, 8; Rice, N., 2*
 Weston County: *Fieldner, 8; Rice, N., 2*
 Wind River Coal Basin:
Aresco, 6, 8; Beeler, 5,

PROXIMATE ANALYSES OF COAL

(cont.)

Wind River Coal Basin:
 (cont.): *8; Cameron Engineers, 2; Campbell, 4, 7; Fieldner, 2, 3, 5; Ford, Bacon and Davis, Inc.; Glass, G. B., 10; Gomez, 2; Horne; Jamison, 1, 2; Knight, W. C., 2; Landers, 3; Lord, 2; O'Donnell; Reynolds, D. A., 2; Rice, N., 2; Ricketts, 1; Selvig, 2; Snyder, 1; Thompson, R. M., 3; Woodruff, 1*
 PROXIMATE ANALYSIS
 Coal: *Humphreys*
 PUMPKIN BUTTES COALFIELD (See also POWDER RIVER COAL BASIN)
 General: *Geslin; Troyer, 2; Wegemann, 6*
 PYRITE
 Removal from Coal: *Masciantonio; Silverman*
 RAYNAN SPECTRA
 Coal: *Friedel*
 RANK OF COAL
 Determination by Differential Thermal Analysis:
Glass, H. D.
 General: *Berryhill, H. L., Jr., 2; Fieldner, 6, 7; Fisher, C. H.; Given, 1; Glass, G. B., 3-5, 9; Glass, H. D.; Koppe; Lane, 1; O'Donnell; Unfur*
 RECLAMATION OF MINED LANDS
 Federal Laws: *Glass, G. B., 10; U. S. Bur. Mines, 3; U. S. Dept. Interior, 3*
 General: *Austin; Big Horn Coal Co.; Burke; Carmichael; Committee on Interior and Insular Affairs; Corgan; Elder, 2; Gibson, D.; Glass, G. B., 2, 4, 5, 9, 10; Gwynn; Jacoby; King, A. E., 1, 3; Kovats, 1, 2; Krause; Lujan; May, N.; Persse, 1, 3; Reiss; Rulli; Salem;*

RECLAMATION OF MINED LANDS

(cont.)

General: (cont.) Sandoval; Smith, J. B., 2, 4; Sorenson; Thompson, M. W.; U. S. Bur. Mines, 3; U. S. Dept. Agriculture; U. S. Dept. Interior, 2, 3; Wyoming Dept. Economic Planning and Development, 2; Wyoming Dept. Environmental Quality; Wyoming Geol. Survey, 3

Revegetation: Jacoby; Lujan; May, M.; Thompson, M. W.

State Laws: Glass, G. B., 10; Gwynn, 1, 2; King, A. E., 1, 3; U. S. Bur. Mines, 3; Wyoming Dept. Economic Planning and Development, 2; Wyoming Dept. Environmental Quality; Wyoming Geol. Survey, 3

Statistics: Glass, G. B., 4, 5, 9, 10; King, A. E., 3; Kovats, 1, 2; Krause; U. S. Dept. Agriculture; U. S. Dept. Interior, 2

Surface Mined Lands: Austin; Burke; Carmichael; Committee on Interior and Insular Affairs; Elder, 2; Gibson, D.; Salem; Smith, J. B., 2, 4; U. S. Dept. Interior, 2

Undermined Lands: Corgan; Root, 2

RECOVERY PERCENTAGE (See also SURFACE MINING OF COAL; UNDERGROUND MINING OF COAL)

Coal Mining: Lowrie

REDUCTION

Coal: Reggel, 1-3

RESEARCH

Coal: Averitt, 1; Linville, 1

RESERVES AND RESOURCES OF COAL

Albany County: Beeler, 4; Berryhill, H. L., Jr., 1; Harmston, 3

RESERVES AND RESOURCES OF

COAL (cont.)

Bighorn Coal Basin: Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Campbell, 3; Cody; Dietz; Ford, Bacon and Davis, Inc.; Glass, G. B., 3-5, 9, 10; Harmston, 4; Lane, 1; McGraw-Hill, Inc., 2; Rice, N., 2; Smith, J. B., 2, 4; Travis; U. S. Geol. Survey, 8

Big Horn County: Berryhill, H. L., Jr., 1; Cody

Black Hills Coal Region: Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Darton, 1-3; Dietz; Ford, Bacon and Davis, Inc.; Glass, G. B., 3-5, 9; Harmston, 1; Lane, 1; Levene, 1; McGraw-Hill, Inc., 2; Mapel, 8; Rice, N., 2; U. S. Geol. Survey, 8

Calculation: Berryhill, H. L., Jr., 1; Theobald

Central Wyoming: Harmston, 5

Chicago and Northwestern Railway: Anonymous, 4

Coking Coal: Averitt, 7; Berryhill, H. L., Jr., 1; Toenges

Converse County: Berryhill, H. L., Jr., 1; Lane, 2

Fremont County: Henderson, J. M.

General: Anonymous, 3-5; Averitt, 1-5, 7-11, 14; Baker, A. A.; Bailey, G. E.; Bartlett, 1, 2; Beeler, 1, 4-6; Beikman; Berryhill, H. L., Jr., 1, 2; Berta; Birch; Bowen, 3; Cameron Engineers, 2; Campbell, 3, 9; Chatterton; Clabaugh; Cody; Darton, 1-3; Davis, J. A.; De Carlo, 2; Dietz; Dobbin, 1, 3; Dow; Ellis; Federal Power Commission; Fieldner, 11, 12; Fisk, H. G.; Ford, Bacon and

RESERVES AND RESOURCES OF
COAL (cont.)

General: (cont.) Davis, Inc.; Glass, G. B., 2-5, 9, 10; Governor's Electric Power Advisory Committee; Harmston, 1-6; Henderson, J. M.; Hose, 2; Hunter, W. S., Jr.; Keefer, 7; Lane, 1, 2; Lawrence, J. C.; Levene, 1; Link; Lund; McGraw-Hill, Inc., 2; Mapel, 1-4, 8; Marzel, 1, 2; Masursky, 1, 5, 8, 9; Miller, E. W.; Morgan, 3; National Coal Assoc., 1, 2; Olive, 1, 2; Payton; Perry; Persse, 2; Pipirinos, 2, 7; Rice, N., 2; Risser, 3; Roehler, 5; Root, 2; Schultz, 2, 3; Scott, J. J.; Shannon; Smith, J. B., 1-4; Theobald; Toenges; Troyer, 3; Trumbull, 1; U. S. Bur. Mines, 3, 4; U. S. Dept. Interior, 1; U. S. Geol. Survey, 8; Voorhees; Wegemann, 2, 3; Westerberg; Wilson, W. H., 3; Wyoming State Board Immigration

Goshen Hole Coalfield:
Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Dietz; Ford, Bacon and Davis, Inc.; Glass, G. B., 3-5, 9; Lane, 1; McGraw-Hill, Inc., 2; U. S. Geol. Survey, 8

Green River Coal Region:
Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Campbell, 3; Dietz; Ford, Bacon and Davis, Inc.; Glass, G. B., 3-5, 9, 10; Lane, 1; Lund; McGraw-Hill, Inc., 2; Masursky, 1, 5, 8, 9; Payton; Pipirinos, 2, 7; Rice, N., 2; Roehler, 5; Root, 2; Schultz, 2, 3; Smith, J. B., 2, 4; U. S. Bur. Mines, 3; U. S. Geol. Survey, 8

RESERVES AND RESOURCES OF
COAL (cont.)

Hams Fork Coal Region:
Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Dietz; Ford, Bacon and Davis, Inc.; Glass, G. B., 3-5, 9, 10; Hunter, W. S., Jr.; Lane, 1; Lawrence, J. C.; McGraw-Hill, Inc., 2; Rice, N., 2; Smith, J. B., 2, 4; U. S. Bur. Mines, 3; U. S. Geol. Survey, 8; Voorhees

Hanna Coalfield: Berryhill, H. L., Jr., 1, 2; Berta; Bowen, 3; Cameron Engineers, 2; Dietz; Dobbin, 3; Ford, Bacon and Davis, Inc.; Glass, G. B., 2-5, 9, 10; Harmston, 6; Lane, 1; McGraw-Hill, Inc., 2; Rice, N., 2; Smith, J. B., 2, 4; U. S. Bur. Mines, 3; U. S. Geol. Survey, 8

Jackson Hole Coalfield:
Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Dietz; Ford, Bacon and Davis, Inc.; Glass, G. B., 3-5, 9; Lane, 1; McGraw-Hill, Inc., 2; U. S. Geol. Survey, 8

Maps: Anonymous, 3; Bailey, G. E.; Berryhill, H. L., Jr., 2; Clabaugh; Dow; Lane, 1, 2; Root, 2

Northeast Wyoming: Harmston, 1

Pacific Northwest: Perry

Powder River Coal Basin:
Baker, A. A.; Beikman; Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Davis, J. A.; Dietz; Dobbin, 1; Ellis; Ford, Bacon and Davis, Inc.; Glass, G. B., 3-5, 9, 10; Harmston, 1; Hose, 2; Lane, 1, 2; McGraw-Hill, Inc., 2; Mapel, 1-4; Olive, 1, 2; Persse, 2;

RESERVES AND RESOURCES OF
COAL (cont.)

Powder River Coal Basin:
(cont.) Rice, N., 2;
Smith, J. B., 2, 4; U. S.
Bur. Mines, 3; U. S.
Geol. Survey, 8; Wege-
mann, 2, 3

Rock Creek Coalfield:
Beeler, 4; Berryhill, H.
L., Jr., 1, 2; Cameron
Engineers, 2; Dietz; Ford,
Bacon and Davis, Inc.;
Glass, G. B., 3-5, 9;
Harmston, 3; Lane, 1; Mc-
Graw-Hill, Inc., 2; Rice,
N., 2; U. S. Geol. Sur-
vey, 8

Southwest Wyoming: Lund
Sulfur Content: De Carlo,
2; U. S. Bur. Mines, 3

Sweetwater County: Berry-
hill, H. L., Jr., 1;
Root, 2

Terminology: Berryhill, H.
L., Jr., 1; Theobald

Teton County: Berryhill,
H. L., Jr., 1; Harmston, 2

United States: Anonymous,
5; Averitt, 1-5; 8-11;
Campbell, 3, 9; De Carlo,
2; Federal Power Commis-
sion; Fieldner, 11, 12;
McGraw-Hill, Inc., 2;
Miller, E. W.; National
Coal Assoc., 1, 2; Risser,
3; U. S. Bur. Mines, 3,
4; U. S. Dept. Interior,
1; U. S. Geol. Survey, 8

Wind River Coal Basin:
Berryhill, H. L., Jr., 1,
2; Cameron Engineers, 2;
Campbell, 3; Dietz; Ford,
Bacon and Davis, Inc.;
Glass, G. B., 3-5, 9;
Harmston, 5; Henderson,
J. M.; Keefer, 7; Lane,
1; McGraw-Hill, Inc., 2;
Rice, N., 2; Troyer, 3;
U. S. Geol. Survey, 8

Wyoming: Averitt, 14;
Bartlett, 1, 2; Beeler,
1, 5, 6; Berryhill, H. L.,
Jr., 1; Birch; Chatterton;

RESERVES AND RESOURCES OF
COAL (cont.)

Wyoming: (cont.) Cameron
Engineers, 2; Dietz;
Fisk, H. G.; Ford; Bacon
and Davis, Inc.; Glass,
G. B., 3-5, 9, 10; Gover-
nor's Electric Power Ad-
visory Committee; Lane,
1; Marzel, 1, 2; Morgan,
3; Rice, N., 2; Shannon;
Smith, J. B., 1-4; Trum-
bull, 1; Westerberg; Wyo-
ming State Board Immigra-
tion

Wyoming Territory: Shannon

RESIN CONTENT (See also
AMBER)

Coal: Root, 1; Selvig, 1;
Ting; White, D.

REVEGETATION OF MINED LANDS
(See also RECLAMATION OF
MINED LANDS)

Surface Mined Lands:
Jacoby; Lujan; May, M.;
Thompson, M. W.

ROAD LOGS IN COALFIELDS

Bighorn Coal Basin:
Summerford

Black Hills Coal Region:
Mohl

Green River Coal Region:
Hart; Lockridge; Part-
ridge; Rathbone, 1-4

Hams Fork Coal Region:
Cochran; Gerhard; Part-
ridge; Rubey, 1

Hanna Coalfield: Berry,
G. W.; Glass, G. B., 2, 6

Jackson Hole Coalfield:
Love, 19

Powder River Coal Basin:
Brady, 1-3; Cree; Madi-
son; Mohl; Rea; Stewart

Summary: Wyoming Geol.
Assoc.

Wind River Coal Basin:
McGee, J.

ROCK CREEK COALFIELD

Dutton Creek Formation:
Houston, 1; Hyden, 2

Ferris Formation: Gill, 2;
Houston, 1

ROCK CREEK COALFIELD (cont.)**Foot Creek Formation:**

Houston, 1; Hyden, 2

General: Anonymous, 3;

Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Darton, 13; Dobbin, 5;

Felix, C. E., 1, 2;

Glass, G. B., 3-5, 9;

Hague; Harmston, 3;

Knight, W. C., 2; Konkell,

2; Lane, 1; Long, J. S.,

Jr., McGraw-Hill, Inc., 2;

Office Coal Research, 1;

Rice, N., 2; Siebenthal;

Wilson, W. H., 4

Geologic Maps: Blackstone,

3; McAndrews, 2-4; Hyden,

1, 3-5

Hanna Formation: Black-

stone, 3; Dobbin, 4;

Houston, 1; Hyden, 2-4;

Isberg

Lewis Shale: Baldwin;

Davidson

Medicine Bow Formation:

Baldwin; Blackstone, 3;

Houston, 1; Isberg

Mesaverde Group: Bauer,

E. J.; Bergstrom, 2;

Blackstone, 3; Dobbin, 4,

Hyden, 1, 3; Isberg;

Saulnier

Montana Group: Darton, 13**Pine Ridge Sandstone:**

Siebenthal

Proximate Analyses of Coal:

Beeler, 4, 8; Cameron

Engineers, 2; Fieldner,

3, 5; Ford, Bacon and

Davis, Inc.; Frazier;

Gomez, 2; Hague; Hyden,

3; Knight, W. C., 2

Reserves and Resources of**Coal:** Beeler, 4; Berry-

hill, H. L., Jr., 1, 2;

Cameron Engineers, 2;

Dietz; Ford, Bacon and

Davis, Inc.; Glass, G.

B., 3-5, 9; Harmston, 3;

Lane, 1; McGraw-Hill,

Inc., 2; Rice, N., 2;

U. S. Geol. Survey, 8

ROCK CREEK COALFIELD (cont.)**Structural Geology:**

Blackstone, 3

Ultimate Analyses of Coal(See Proximate Analyses
of Coal above)**Wind River Formation:**

Baldwin

ROCK SPRINGS COALFIELD**General:** Andrew; Black-

stone, 4; Budd; Campbell,

7; Davenport, 1; Dobbin,

6; Goldston; Hague; Hay-

den, 4, 5; Hodge; John-

ston, W. L.; Johnston, R.

H.; King, C., 1; Levene,

5; Murphy, T. F.; Payton;

Peale, 3; Pipiringos, 2;

Roehler, 5; Root, 2;

Schultz, 2, 3; Shannon;

Storrs; Swann, 1, 2;

U. S. Bur. Land Manage-

ment, 5; U. S. Geol. Sur-

vey, 6, 7; Willson;

Yourston

Production Statistics:

Andrew; Anonymous, 6;

Lesquereux, 1; Payton

Subsidence of Mined Lands:

Averback; Chen and Assoc.,

Inc.; Corgan; Donner;

Glass, G. B., 7; Johnson,

W. L.; Mogando, 1, 2;

Putnam; Root, 2; Scher;

Sherman; U. S. Bur.

Mines, 5; U. S. Geol.

Survey, 9

ROCK SPRINGS FORMATION (See

also MESAVERDE GROUP)

Green River Coal Region:

Anonymous, 6; Burger, 1,

2; Douglass; Gosar; Hale,

1, 2; Johnston, R. H.;

Keith, 2; McDonald; Mees;

Roehler, 2; Smith, J. H.,

1, 2; Smithson; Weichmann

Paleobotany: Dorf, 4**ROOF AND ROOF FALLS****Underground Coal Mines:**

Fieldner, 10; Paul;

Tomlinson, 1, 2

ROSEBUD COAL SALES COMPANY(See also COMPANIES MIN-
ING COAL)

ROSEBUD COAL SALES COMPANY
(cont.)
General: *Cameron Engineers*,
2; *Glass, G. B.*, 2, 8-10

ROYALTIES FOR COAL
Federal Lands: *Glass, G. B.*
B., 10; *Martin, R. H.*
State Lands: *Glass, G. B.*,
10; *Wyoming Commissioner*
Public Lands

SAMPLING
Coals: *Fieldner*, 1

SANDSTONES
Associated with Coal:
Vine, 9

SCORIA (See BAKED SHALE)

SEAT EARTH (See SEAT ROCK)

SEAT ROCK (See also CLAY)
Beneath Coal: *Asquith*;
Ritzma, 2; *Williamson*

SHALE
Associated with Coal:
Bucklen, 1, 2; *Weaver*

SHERIDAN COALFIELD (See also
POWDER RIVER COAL BASIN)
General: *Baker, A. A.*;
Beroni, 1; *Campbell*, 7;
Darton, 4, 7, 9, 10; *Eld-*
ridge; *Falvey*; *Simmons*,
2; *Smith, J. B.*, 2, 4;
Taff
Production Statistics:
Link
Resin Content of Coal:
Ting; *White, D.*
Storage of Coal: *National*
Coal Assoc., 4; *Parry, V.*
F., 1; *Porter*, 5

SHERIDAN COUNTY
Coalfields: *Jamison*, 2;
Knight, W. C., 2, 4;
Geologic Map: *Lowry*, 1
Proximate Analyses of Coal:
Fieldner, 8; *Rice, N.*, 2
Reserves and Resources of
Coal: *Berryhill, H. L.*,
Jr., 1; *Dietz*
Ultimate Analyses of Coal
(See Proximate Analyses of
of Coal above)

SHERIDAN-WYOMING COAL COMPANY
General: *Keenan*

SILTATION OF STREAMS (See
(ENVIRONMENTAL IMPACT)

SILVERTIP COALFIELD (See also
BIGHORN COAL BASIN)
General: *Fisher, C. A.*,
1, 2; *Washburne*

SKULL CREEK COALFIELD (See
also BLACK HILLS COAL
REGION)
General: *Darton*, 3-5, 12;
Stone, 2

SLACKING CHARACTERISTICS
Coal: *Ford*, *Bacon* and
Davis, Inc.; *Yancey*, 2

SODIUM CONTENT
Coal: *Abernethy*, 3;
Spencer

SOUTHEASTERN COALFIELD (See
also BIGHORN COAL BASIN)
General: *Fisher, C. A.*,
1, 2; *Woodruff*, 3

SPECIFIC GRAVITY (See also
WEIGHT)
Coal: *Geer*; *Randall, D. T.*

SPONTANEOUS COMBUSTION
Coal: *Bucklen*, 3; *Elder*,
1; *Glass, G. B.*, 2;
Goodman, 1; *Porter*, 3

SPOTTED HORSE COALFIELD (See
also POWDER RIVER COAL
BASIN)
General: *Olive*, 1, 2;
Smith, J. B., 2, 4

STATISTICS (See also ACCI-
DENTS AND FATALITIES;
PRODUCTION STATISTICS)
Coal Mining: *Fay*, 9;
Glass, G. B., 10; *Hotch-*
kiss; *Lowrie*; *McGraw-Hill*,
Inc., 2; *U. S. Bur. Mines*,
1, 6, 8; *U. S. Geol. Sur-*
vey, 3; *Wyoming Dept.*
Economic Planning and
Development, 3; *Wyoming*
State Insp. Mines; *Young*,
1-5

STORAGE
Coal: *Allen*; *Boley*, 4;
Bucklen, 3; *Ellman*; *Good-*
man; *National Coal Assoc.*,
4; *Parry, V. F.*, 1; *Por-*
ter, 1-3, 5

STRIP MINING OF COAL (See
SURFACE MINING OF COAL)

STRIPPABLE COAL RESERVES
Bighorn Coal Basin: *Glass*,
G. B., 3-5, 9, 10;

STRIPPABLE COAL RESERVES

(cont.)

Bighorn Coal Basin: (cont.)

McGraw-Hill, Inc., 2;
Smith, J. B., 2, 4;
Travis; U. S. Bur. Mines,
3

General: Averitt, 8, 11;

De Carlo, 2; Glass, G.
B., 2-5, 9, 10; Lane, 1;
McGraw-Hill, Inc., 2;
Root, 2; Smith, J. B.,
1-4; Travis; U. S. Bur.
Mines, 3

Green River Coal Region:

Glass, G. B., 3-5, 9, 10;
Lane, 1; McGraw-Hill,
Inc., 2; Root, 2; Smith,
J. B., 2, 4; U. S. Bur.
Mines, 3

Hams Fork Coal Region:

Glass, G. B., 3-5, 9, 10;
Lane, 1; McGraw-Hill,
Inc., 2; Smith, J. B.,
2, 4; U. S. Bur. Mines,
3

Hanna Coalfield: Glass,

G. B., 2-5, 9, 10; Lane,
1; McGraw-Hill, Inc., 2;
Smith, J. B., 2, 4; U. S.
Bur. Mines, 3

Powder River Coal Basin:

Glass, G. B., 3-5, 9, 10;
Lane, 1; McGraw-Hill,
Inc., 2; Smith, J. B.,
2, 4; U. S. Bur. Mines,
3

Rocky Mountains: Smith,

J. B., 1, 3

United States: Averitt, 8,

11; McGraw-Hill, Inc., 2;
U. S. Bur. Mines, 3

Wyoming: Glass, G. B., 3-

5, 9, 10; Lane, 1; Smith,
J. B., 2, 4

STRUCTURAL GEOLOGY

Coalfields: Baker, A. A.;
Berryhill, H. L., Jr., 1;
Blackstone, 1, 3; Bowen,
1; Curry, 2; Frucney;
Furer; Glass, G. B., 3-5,
9; Gosar; Hauf; Knight,
S. H., 2; Litchford;
Mapel, 6

SUBLETTE COUNTY

Reserves and Resources of
Coal: Berryhill, H. L.,
Jr., 1; Dietz

SUBSIDENCE**Underground Mined Land:**

Averback; Chen and Assoc.,
Inc.; Corgan; Donner;
Glass, G. B., 7; Johnson,
W. L.; Mogando, 1, 2;
Putnam; Root, 2; Scher;
Sherman; U. S. Bur. Mines,
5; U. S. Geol. Survey, 9

SULFUR CONTENT OF COAL

Form of Sulfur: Walker,
F. E.

General: De Carlo, 2;

Glass, G. B., 3-5, 9;
Gomez, 3, 4; Harrington,
R. E.; Masciantonio;
Silverman; U. S. Bur.
Mines, 3; Voskuil; Walker,
F. E.

Removal from Coal: Mascian-
tonio; Silverman

SULFUR OXIDES

Coal: Harrington, R. E.

**SUNDANCE COALFIELD (See also
BLACK HILLS COAL REGION)**

General: Darton, 3-5, 12;
Stone, 2

**SUPERIOR DISTRICT (See ROCK
SPRINGS COALFIELD)****SURFACE MINING OF COAL (See
also LAWS RELATED TO
COAL MINING; MINING)**

Cost Analysis: U. S. Bur.
Mines, 7

Environmental Impact:

Austin; Burke; Carlin;
Ellis; Gibson, D.; Glass,
G. B., 7; Gwynn, 2; Hicks,
L.; Josephy; Persse, 2, 3;
U. S. Dept. Agriculture;
U. S. Dept. Interior, 2

Federal Laws: Glass, G. B.,
10; U. S. Dept. Interior, 3

Forecast and Outlook:

Anonymous, 9, 12; Austin;
Cameron Engineers, 1, 2;
Carlin; Ellis; Gibson, D.;
Glass, G. B., 9, 10; Krie-
ger; National Coal Assoc.,
3; Persse, 2; Scott, J. J.

SURFACE MINING OF COAL (cont.)

General: *Anonymous*, 6, 8-10, 12; *Austin*; *Cameron Engineers*, 1, 2; *Carlin*; *Committee on Interior and Insular Affairs*; *Elder*; *Ellis*; *Gibson, D.*; *Glass, G. B.*, 2-5, 8-10; *King, A. E.*, 1; *Kovats*, 1, 2; *Krieger*; *National Coal Assoc.*, 3; *Persse*, 2; *Salem*; *Scott, J. J.*; *U. S. Bur. Mines*, 7; *U. S. Dept. Interior*, 3; *Wyoming Dept. Economic Planning and Development*, 2; *Wyoming Dept. Environmental Quality*; *Wyoming Geol. Survey*, 3; *Young*, 2, 3, 5

Legislation: *Committee on Interior and Insular Affairs*

Overburden: *Glass, G. B.*, 10; *Young*, 2, 3, 5

Reclamation of Mined Lands: *Austin*; *Burke*; *Carmichael*; *Committee on Interior and Insular Affairs*; *Elder*, 2; *Gibson, D.*; *Salem*; *Smith, J. B.*, 2, 4; *U. S. Dept. Interior*, 2

Slope Restrictions: *Salem*

State Laws: *Glass, G. B.*, 10; *King, A. E.*, 1; *Wyoming Dept. Economic Planning and Development*, 2; *Wyoming Dept. Environmental Quality*; *Wyoming Geol. Survey*, 3;

Statistics: *Glass, G. B.*, 10; *Kovats*, 1, 2

Thickness of Coal Beds: *Glass, G. B.*, 8, 10; *Young*, 2, 3, 5

Water Requirements: *Persse*, 2

Wyoming: *Glass, G. B.*, 3-5, 8-10

SUSSEX COALFIELD (See also POWDER RIVER COAL BASIN)

General: *Smith, J. B.*, 2, 4; *Wegemann*, 1, 2, 5

SWEETWATER COUNTY

Coalfield Map: *Root*, 2

SWEETWATER COUNTY

Coalfields: *Jamison*, 2; *Knight, W. C.*, 2, 4; *Root*, 2

Fort Union Formation: *Root*, 2

Proximate Analyses of Coal: *Rice, N.*, 2; *Root*, 2

Reserves and Resources of Coal: *Berryhill, H. L., Jr.*, 1; *Dietz*; *Root*, 2

Ultimate Analyses of Coal (See Proximate Analyses of Coal above)

Wasatch Formation: *Root*, 2

Water in Coal-bearing Rocks: *Root*, 2

SYNTHETIC COKE

General: *Fagnant*, 2; *Farr*; *Glass, G. B.*, 4, 9; *Leshner*; *Prostel*, 4; *Work*

TAR YIELD

Coal: *Law*

TATMAN FORMATION

Bighorn Coal Basin: *Jepsen*

TAXES

Coal Production: *Cameron Engineers*, 1; *Glass, G. B.*, 10; *Martin, R. H.*

TERTIARY COAL-BEARING ROCKS

(See also individual coal-bearing formations)

General: *Anonymous*, 1; *Denson*, 1, 3; *Glaze*; *Hail*; *Hares*, 1; *Keefer*, 8; *King, C.*, 2; *Knight, S. H.*, 2; *Knight, W. C.*, 1; *Koppe*; *McGrew*; *McKenna*; *Nace*; *Oriel*, 2; *Peale*, 2; *Root*, 2; *Tourtlot, H. A.*, 1; *Weart*

Goshen Hole Coalfield:

Denson, 1

Green River Coal Region:

Glaze; *Oriel*, 2; *Root*, 2

Hans Fork Coal Region:

Oriel, 2

Hanna Coalfield: *Hares*, 1;

Knight, S. H., 2

Jackson Hole Coalfield:

McKenna

Paleobotany: *Brown, R. W.*,

1, 5; *Cope*, 6; *Lesquereux*,

1, 3, 4; *Newberry*; *White, D.*

TERTIARY COAL-BEARING ROCKS
(cont.)

- Paleoenvironments: *Brown, R. W., 5; Glaze; Wilson, L. R., 2*
Paleontology: *Cope, 5; Hayden, 5, 7; Henderson, J.; McKenna; Wegemann, 4*
Palynology: *Houston, 1; Tschudy*
Powder River Coal Basin: *Denson, 3; Hail; Hares, 1*
Southern Wyoming: *King, C., 2*
Wyoming: *Anonymous, 1; Knight, W. C., 1; Koppe; McGrew; Nace; Peale, 2*
Wind River Coal Basin: *Hares, 1; Keefer, 8; Tourtelot, H. A., 1; Weart*

TETON COUNTY

- Geologic Map: *Love, 17*
Proximate Analyses of Coal: *Reynolds, D. A., 2*
Reserves and Resources of Coal: *Berryhill, H. L., Jr., 1; Dietz; Harmston, 2*
Ultimate Analyses of Coal (See also Proximate Analyses of Coal above)

THERMOPOLIS FORMATION

- Central Wyoming: *Curry, 1*

THICKNESS OF COAL BEDS (See also individual coal-bearing regions and coal-field names)

- Mined Beds: *Fisher, C. A., 4; Glass, G. B., 10; Young, 1-5*

TRACE ELEMENTS (See also individual elements; **ASH CONTENT OF COAL; MINERAL MATTER**)

- Coal: *Abernethy, 2, 6, 7; Averitt, 16; Masursky, 7; O'Gorman, 1, 2; Selvig, 3; Stadnichenko, 1; Zubovic, 1, 2*

TRANSPORTATION OF COAL

- General: *Burke; Francis; Goodman; Levene, 1; Link*
Railroad: *Francis; Link*
Ship: *Goodman*

TRANSPORTATION OF COAL (cont.)

- Slurry Pipeline: *Link*
Wire: *Link*

UINTA COUNTY

- Coalfields: *Jamison, 2; Knight, W. C., 2, 4*
Proximate Analyses of Coal: *Fieldner, 8; Rice, N., 2*
Reserves and Resources of Coal: *Berryhill, H. L., Jr., 1; Dietz*
Ultimate Analyses of Coal (See Proximate Analyses of Coal above)

ULMIN CONTENT

- Coal: *Vine, 7*

ULTIMATE ANALYSES OF COAL

- (See **PROXIMATE ANALYSES OF COAL**)

UNDERCLAY (See **SEAT ROCK**)

UNDERGROUND MINING OF COAL

- (See also **MINING; SUBSIDENCE**)

Forecast and Outlook:

- Cameron Engineers, 1, 2; Glass, G. B., 9, 10; McAuliffe, 1; Marzel, 1*
General: *Cameron Engineers, 1, 2; Fieldner, 10; Glass, G. B., 9, 10; Lowrie; McAuliffe, 1; Marzel, 1; Willson*
Mine Dust: *Forbes; Frazer, J. C. W.; Harrington, D.*
Pillar Extraction: *Fieldner, 10*
Roof and Roof Falls: *Fieldner, 10; Paul; Tomlinson, 1, 2*
Subsidence and Backfilling of Mine Voids: *Averback; Chen and Assoc., Inc.; Corgan; Donner; Glass, G. B., 7; Johnson, W. L.; Mogando, 1, 2; Putnam; Root, 2; Scher; Sherman; U. S. Bur. Mines, 5; U. S. Geol. Survey, 9*

UNION PACIFIC COAL COMPANY

- General: *Anonymous, 14; Budd; Dodge; Frazer, M. M.; McAuliffe, 1, 2; Union Pacific Coal Co.; Union Pacific Railroad Co.; Writers' Program*

UNION PACIFIC COAL COMPANY
(cont.)

History of Coal Mining:

Frazer, M. M.; McAuliffe,
2; Swann, 2; Union Paci-
fic Coal Co.

URANIUM

Associated with Coal:

Bailey, R. V.; Beroni,
1, 2; Breger, 1-4; Buck-
len, 1, 2; Butler; Den-
son, 2; Finnell; Gill,
1; Houston, 2; Kehn;
Love, 12, 13; McKeel;
McKelvey; McKenna; Masur-
sky, 1-9; Moore; Pipi-
ringos, 1, 2, 4-7; Schopf,
3; Sharp, 1, 2; Stocking;
Troyer, 2; Vine, 1-6, 8;
Wilson, W. H., 1, 2;
Wyant

URANIUM CONTENT (See also
TRACE ELEMENTS)

Coal: Beroni, 1; Breger,
2, 4; Bucklen, 1, 2;
Denson, 2; Gill, 1; Love,
13; Masursky, 1, 3, 5-9;
Pipiringos, 1, 2, 4-7;
Troyer, 2; Vine, 1, 2, 5,
8; Wilson, W. H., 1, 2;
Wyant

UTILIZATION OF COAL (See
also COKE; CONVERSION TO
SYNTHETIC FUELS; GASIFI-
CATION OF COAL; LIQUEFAC-
TION OF COAL; POWER GEN-
ERATION)

General: Babcock, E. J.;
Cameron Engineers, 1, 2;
Carlton; Gilkey; Glass,
G. B., 4, 9, 10; Hill,
2; Moore; Parry, V. F.,
2, 4, 5; Spicer; U. S.
Bur. Mines, 9; U. S.
Dept. Interior, 5

Forecast and Outlook:

Babcock; Cameron Engin-
eers, 1; Glass, G. B.,
10; Hill, 2; Parry, V.
F., 2, 5

Utilization Factor:

Parry, V. F., 4

Wyoming: Cameron Engineers,
2; Glass, G. B., 4, 9, 10;

UTILIZATION OF COAL (cont.)

Wyoming: (cont.) U. S.

Bur. Mines, 9; U. S.
Dept. Interior, 5

VALUATION

Coal: Bartlett, 2; Mar-
zel, 1; Morgan, 3; Wyo-
ming Dept. Economic Plan-
ning and Development, 4;
Wyoming State Board
Equalization

VALUE

Coal: Cameron Engineers,
1, 2; Miller, D. N., Jr.,
1, 5; National Coal
Assoc., 1, 2

VENTILATION

Underground Coal Mines:
Porter, 2

VOLATILE MATTER (See also
PROXIMATE ANALYSES OF
COAL)

Coal: Gomez, 3; Porter, 1;
Taylor, G. B.

VOLATILES (See also METHANE
IN COAL; VOLATILE MATTER)

Coal: Taylor, G. B.; Wil-
son, H. M.; Wolfson

WASATCH FORMATION

General: Beikman; Bradley,
2; Breger, 1, 2, 4; Cul-
bertson, 1, 2; Curry, 2;
Endlich; Geslin; Good;
Hose, 1, 2; Kohout; Law-
son; Littleton; Love, 3,
20, 21; Lowry, 1; McDon-
ald; Mapel, 1-4; Masursky,
1-6, 8, 9; Mees; Olive,
1, 2; Pipiringos, 1-8;
Robinson; Root, 2; Sharp,
2; Trudell, 1, 2; Waters;
Wegemann, 4, 5; Whitcomb,
1, 3; Wold, 3

Green River Coal Region:

Bradley, 2; Breger, 1, 2,
4; Culbertson, 1, 2; End-
lich; Good; Lawson; Love,
20, 21; McDonald; Masur-
sky, 1-6, 8, 9; Mees;
Pipiringos, 1-7; Root, 2;
Trudell, 1, 2; Waters

Jackson Hole Coalfield:

Love, 3

Johnson County: Whitcomb, 3

WASATCH FORMATION (cont.)

Microfossils: *Wilson, L. R.*, 2

Paleoenvironments:

Schopf, 3

Palynology: *Wilson, L. R.*, 1-3

Powder River Coal Basin:

Beikman; Curry, 2; Geslin; Hose, 1, 2; Kohout; Littleton; Lowry, 1; Mapel, 1-4; Olive, 1, 2; Robinson; Sharp, 2; Wegemann, 4, 5; Whitcomb, 1, 3; Wold, 3

South-central Wyoming:

Pipiringos, 8

Sweetwater County: *Root, 2*

Wind River Coal Basin:

Love, 20

WASHABILITY (See also PREPARATION)

Coal: *Belden; Deurbrouck; Fraser; Geer; Yancey, 1*

WASHAKIE COUNTY

Reserves and Resources of Coal: *Berryhill, H. L., Jr., 1; Dietz*

WATER IN COAL-BEARING ROCKS

(See also individual coal-bearing regions)

Effects of Coal: *Lowry, 1*

General: *Adams, G. I.;*

Berry, D. W., 1, 2;

Crawford, 1, 2, 3; Crist;

Dockery; Fisk, E. P.;

Hodson, 1; Knight, W. C., 1;

Kohout; Littleton;

Lowry, 1, 2; Rapp, 1, 2;

Root, 2; Warner; Welder,

1, 2; Whitcomb, 1-4

In Clinker Beds: *Littleton*

Wyoming: *Crawford, 3;*

Knight, W. C., 1

WAX CONTENT

Coal: *Selvig, 2*

WEATHERING (See also OXIDATION)

Coal: *Boley, 4; Ford,*

Bacon and Davis, Inc.;

Parry, V. F., 1; Porter,

3, 5; Schultz, 4; Yancey,

2

WEIGHT (See also SPECIFIC GRAVITY)

Coal: *Flagg*

WESTON COUNTY

Coalfields: *Jamison, 2;*

Knight, W. C., 2, 4

Proximate Analyses of Coal:

Fieldner, 8; Rice, N., 2

Reserves and Resources of

Coal: *Berryhill, H. L.,*

Jr., 1; Dietz

ULTIMATE ANALYSES OF COAL

(See Proximate Analyses

of Coal above)

WILLOW CREEK COAL AREA (See also KEMMERER COALFIELD)

General: *Andrews, D. A.,*

2; Schultz, 5; Toenges;

Union Pacific Railroad

Co.; U. S. Geol. Survey,

5; Veatch, 3

WILLWOOD FORMATION

Bighorn Coal Basin:

Pierce, 3

WIND RIVER COAL BASIN

Alkali Butte Coalfield:

Eldridge; Thompson, R.

M., 3, 4; Winchester, 2

Beaver Creek Coalfield:

Thompson, R. M., 3

Big Sand Draw Coalfield:

Thompson, R. M., 3

Coalfields: *Anonymous, 3;*

Berryhill, H. L., Jr.,

1, 2; Cameron Engineers,

2; Campbell, 7; Comstock;

Dobbin, 5; Eldridge;

Felix, C. E., 1, 2; Ford,

Bacon and Davis, Inc.;

Glass, G. B., 3-5, 9;

Jones, W. A.; Keefer, 9;

Knight, W. C., 2; Lane,

1; Long, J. S., Jr.;

McGraw-Hill, Inc., 2; Mor-

gan, 2; Office Coal Re-

search, 1; Rice, N., 2;

Ricketts, 1, 2; Smith,

J. B., 2, 4; Storrs;

Thompson, R. M., 3, 4;

Van Houten, 1; Wilson,

W. H., 4; Winchester, 2;

Wolf; Woodruff, 1

WIND RIVER COAL BASIN (cont.)

Cody Formation: *Workum*
 Cretaceous Formations:
Baker, C. L.; Branson, E. B.; Hares, 1; Keefer, 8
 Formation Names: *Roadifer*
 Fort Union Formation:
Bauer, C. M., 2; Keefer, 5; 6; Van Houten, 1; Yenne
 Frontier Formation:
Berry, E. W.; Branson; Cobban, 3; Crawford, 2; Gooldy; Keefer, 1, 2, 4, 10; Lamb; Love, 1, 2, 4, 5; McGreevy, 2; Thompson, R. M., 1; Van Houten, 1; Wolf; Ziegler, 1
 Geologic Maps: *Andrews, D. A., 1; Barwin, 1; Hares, 2; Harshman; Keefer, 1; McGreevy, 2; Murphy, J. F., 1, 2; Sharkey, H. H. R.; Troyer, 3*
 Lance Formation: *Bauer, C. M., 2; Keefer, 3, 5, 6; McGreevy, 2; Whitcomb, 4; Yenne*
 Meeteetse Formation:
Keefer, 3, 5-7; Love, 5; McGreevy, 2; Whitcomb, 4; Workum; Yenne
 Mesaverde Group: *Barwin, 2; Bauer, C. M., 1, 2; Crawford, 2; Faulkner; Hubley; Jamison, 1; Keefer, 3, 5, 7, 10; Love, 5; Morris, 1; Murphy, J. F., 1, 2; Rich; Thompson, R. M., 2; Troyer, 1; Van Houten, 3; Whitcomb, 4; Wills; Workum; Yenne; Ziegler, 1*
 Petrography of Coal:
O'Donnell; Selvig, 2
 Production Statistics:
Thompson, R. M., 2
 Proximate Analyses of Coal:
Aresco, 6, 8; Beeler, 5, 8; Cameron Engineers, 2; Campbell, 4, 7; Fieldner, 2, 3, 5; Ford, Bacon and Davis, Inc.; Glass, G. B., 10; Gomez, 2; Horne; Jamison, 1, 2;

WIND RIVER COAL BASIN (cont.)

Proximate Analyses of Coal:
 (cont.) *Knight, W. C., 2; Landers, 3; Lord, 2; O'Donnell; Reynolds, D. A., 2; Rice, N., 2; Ricketts, 1; Selvig, 2; Snyder, 1; Thompson, R. M., 3; Woodruff, 1*
 Reserves and Resources of Coal: *Berryhill, H. L., Jr., 1, 2; Cameron Engineers, 2; Campbell, 3; Dietz; Ford, Bacon and Davis, Inc.; Glass, G. B., 3-5, 9; Harmston, 5; Henderson, J. M.; Keefer, 7; Lane, 1; McGraw-Hill, Inc., 2; Rice, N., 2; Troyer, 3; U. S. Geol. Survey, 8*
 Road Log: *McGee, J.*
 Tertiary Formations:
Hares, 1; Keefer, 8; Tourtelot, H. A., 1; Weart
 Ultimate Analyses of Coal
 (See Proximate Analyses of Coal above)
 Wasatch Formation: *Love, 20*
 Water in Coal-bearing Rocks:
Crawford, 2; Whitcomb, 4
 Wind River Formation:
Keefer, 2; Snow; Soister
WIND RIVER FORMATION
 General: *Baldwin; Keefer, 2; Konkel, 1; Love, 16, 18; Riedl; Snow; Soister*
 Jackson Hole Coalfield:
Love, 16, 18
 Laramie Basin: *Konkel, 1*
 Paleoenvironments: *Baldwin*
 Rock Creek Coalfield:
Baldwin
 Shirley Basin Area: *Riedl*
 Wind River Coal Basin:
Keefer, 2; Snow; Soister
WIND RIVER INDIAN RESERVATION
 Geologic Map: *McGreevy, 2*
WYODAK RESOURCES DEVELOPMENT CORPORATION (See also COMPANIES MINING COAL)
 General: *Blackstone, 4; Cameron Engineers, 2;*

WYODAK RESOURCES DEVELOPMENT
CORPORATION (cont.)
General: (cont.) *Glass, G.*
B., 8-10; Levene, 2
X-RAY ANALYSIS
Coal: *Ergon*

