### INDEX

A

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adams, Frank D.,</td>
<td>23</td>
</tr>
<tr>
<td>Adams, George I.,</td>
<td>12</td>
</tr>
<tr>
<td>Adams, L. N.,</td>
<td>23</td>
</tr>
<tr>
<td>Adams Oil Association</td>
<td>623</td>
</tr>
<tr>
<td>Adams Oil &amp; Dev. Co.</td>
<td>612</td>
</tr>
<tr>
<td>Age of Pine Prairie dome</td>
<td>433</td>
</tr>
<tr>
<td>Age of salt of Carpathians</td>
<td>118</td>
</tr>
<tr>
<td>Age of salt domes,</td>
<td>116</td>
</tr>
<tr>
<td>south Texas,</td>
<td>742</td>
</tr>
<tr>
<td>Algae,</td>
<td>218</td>
</tr>
<tr>
<td>Alignment of salt domes</td>
<td></td>
</tr>
<tr>
<td>controlled by</td>
<td></td>
</tr>
<tr>
<td>tectonic,</td>
<td>206</td>
</tr>
<tr>
<td>Amerada Petroleum Corporation</td>
<td>170, 612</td>
</tr>
<tr>
<td>American Association of Petroleum Geologists, cited,</td>
<td>643</td>
</tr>
<tr>
<td>American Institute of Mining Engineers, cited,</td>
<td>545, 643</td>
</tr>
<tr>
<td>American National Oil Co.,</td>
<td>274, 305</td>
</tr>
<tr>
<td>American Production Company,</td>
<td>549</td>
</tr>
<tr>
<td>American Salt Company,</td>
<td>372</td>
</tr>
<tr>
<td>American salt domes in region of geologic tranquillity, 205; nature of, 168; occurrence, 170; profiles of, 169, structure, 730</td>
<td></td>
</tr>
<tr>
<td>American salt-dome problems in the light of Roumanian and German salt domes, 167, 201</td>
<td></td>
</tr>
<tr>
<td>American salt-dome problems: outline, 172-76</td>
<td></td>
</tr>
<tr>
<td>Anagnostache, G.,</td>
<td>122</td>
</tr>
<tr>
<td>Analyses of light and dark salt from Avery Island, 368; from Belle Isle, 387</td>
<td></td>
</tr>
<tr>
<td>Analyses of oil, Barbers Hill, 541</td>
<td></td>
</tr>
<tr>
<td>Analyses of salt from Avery Island, 370</td>
<td></td>
</tr>
<tr>
<td>Analysis of Goose Creek crude oil, 555</td>
<td></td>
</tr>
<tr>
<td>Analysis of mine water from sulphur dome, 463</td>
<td></td>
</tr>
<tr>
<td>Analysis of petroleum from Saratoga, Texas, 518</td>
<td></td>
</tr>
<tr>
<td>Analysis of sample of Big Hill cap rock, 698</td>
<td></td>
</tr>
<tr>
<td>Analysis of Spindletop limestone cap rock, 487</td>
<td></td>
</tr>
<tr>
<td>Andree, K.,</td>
<td>163</td>
</tr>
<tr>
<td>Anhydrite,</td>
<td>51, 53, 55, 56, 57, 61, 78, 151, 169, 225, 630, 652, 733, 737; in Big Hill dome, 698; replaced by gypsum in salt dome cap rock, 54; sedimentary origin of, 70; showing flowage, 65</td>
</tr>
<tr>
<td>Anhydrite cap: origin,</td>
<td>63, 72, 74</td>
</tr>
<tr>
<td>Anhydrite caps on salt domes,</td>
<td>75</td>
</tr>
<tr>
<td>Anhydrite-gypsum-limestone cap, 482</td>
<td></td>
</tr>
<tr>
<td>Anhydrite rock, characteristic feature, 58</td>
<td></td>
</tr>
<tr>
<td>Annona in Louisiana,</td>
<td>217</td>
</tr>
<tr>
<td>Applin, Esther Richards,</td>
<td>442, 512, 589, 683</td>
</tr>
<tr>
<td>Applin, Paul L.,</td>
<td>644</td>
</tr>
<tr>
<td>Arcadia dome,</td>
<td>222, 274, 275; cross-section, 280</td>
</tr>
<tr>
<td>Arcadia Syndicate,</td>
<td>274</td>
</tr>
<tr>
<td>Arrhenius, Sv.,</td>
<td>154, 161, 163, 201</td>
</tr>
<tr>
<td>Arrhenius, Sv. and Lachmann, R., 119</td>
<td></td>
</tr>
<tr>
<td>Asse type of salt structures,</td>
<td>100</td>
</tr>
<tr>
<td>Associated Oil Company,</td>
<td>646, 676</td>
</tr>
<tr>
<td>Athanasiu, Sava,</td>
<td>112, 122</td>
</tr>
<tr>
<td>Atkinson Oil Co.,</td>
<td>623</td>
</tr>
<tr>
<td>Atlantic Oil Producing Company, 252, 530</td>
<td></td>
</tr>
<tr>
<td>Austin chalk,</td>
<td>212, 215, 241, 252, 256, 257, 258, 267</td>
</tr>
<tr>
<td>Austin fauna,</td>
<td>239</td>
</tr>
<tr>
<td>Austin Oil Company,</td>
<td>503</td>
</tr>
<tr>
<td>Austin shale and chalk,</td>
<td>252</td>
</tr>
<tr>
<td>Autrey Oil Company,</td>
<td>757</td>
</tr>
<tr>
<td>Avery, Dudley A.,</td>
<td>373</td>
</tr>
<tr>
<td>Avery Island,</td>
<td>224, 355</td>
</tr>
<tr>
<td>Avery Island dome: geology, 365; location, 361; map of, 364; paleontology, 372; physiography, 363</td>
<td></td>
</tr>
<tr>
<td>Avery Rock Salt Mining Company, 358; mine map, 375</td>
<td></td>
</tr>
<tr>
<td>Avery &amp; Martin,</td>
<td>443</td>
</tr>
</tbody>
</table>

B

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baicoi dome,</td>
<td>181</td>
</tr>
<tr>
<td>Baicoi field,</td>
<td>137</td>
</tr>
<tr>
<td>Bacon, Raymond F.,</td>
<td>717</td>
</tr>
<tr>
<td>Bailey, E. H. S.,</td>
<td>614</td>
</tr>
</tbody>
</table>
INDEX

Bailey, T. L., 223
Baird, Chester A., 342
Baker, C. L., 704, 771
Baker, G. F., 710
Baker Oil Co., 612
Baker, Van K., 424
Baldacci, Luigi, 469
Banding in anhydrite, 58, 64, 67, 72

Barbers Hill oil field, Chambers County, Texas, 203, 530, 775; analyses of oil, 547; bibliography of, 545; cap rock, 536; geology, 535; history, 530; oil deposits, 540; origin of the cap rock, 539; origin of the dome, 539; physiography, 532; production curves, 542, 543, 544; stratigraphy, 537; structure map, 538; topographic map, 535; well map, 540

Barite, in Big Hill dome, 609
Barton, Donald C., 29, 36, 142, 164, 167, 248, 358, 398, 400, 419, 424, 478, 482, 704, 718, 771

Bass well, 413
Batson oil field, Hardin County, Texas, 524; cross-section of dome, 527; history, 524; location, 524; physiography, 526; production, 528; production curve, 525; salt core, 526; sediments, 526

Bawles, N., 332
Bayou Bouillon salt dome, St. Martin Parish, Louisiana, 345; geology, 351; history, 345; location, 345; map, 346; physiography, 347; well data, 348

Bayou Castor Saline, 270
Beatty & House, 611
Becker, G. F., 18
Belle Isle dome, 355; geology, 385; history, 383; location, 383; map, 385; paleontology, 300; physiography, 384; sections, 391; structure, 390; summary of explorations, 389

Belt, Ben C., 771, 772
Benkenstein No. 1 well, 413
Bennett, Jones, McClanahan, 611
Benthe dome, 192, 194, 200, 202
Benthe salt stock, 196
Berry, E. W., 219, 266, 285
Bertrand, L. and Joleaud, L., 140
Bevier, George M., 430, 613
Beyerinck, W. M., 710
Beyschlag, F., 154, 163, 207
Beyschlag-Everding, 163

Bibliography: Barbers Hill oil field, 545; Big Hill salt dome, Matagorda County, Texas, 717; Damon mound, 642; Five Islands, Louisiana, 395; German salt domes, 207; Hockley dome, 599; interior salt domes of Louisiana, 342; Jennings oil field, Louisiana, 418; maps of German salt domes, 208; Pine Prairie dome, 436; Roumanian oil fields, 141; Roumanian salt domes, 120, 206; salt masses of Germany, 163; south Texas salt domes, 771; Spindletop dome, 466; Sulphur dome, 468; Transylvanian salt domes, 207

Bichowsky, Francis Russel, von, 469

Big Hill-Jefferson, 203
Big Hill salt dome, Jefferson County, Texas, 497; cap rock, 499; geology, 498; history, 497; location, 497; map, 499

Big Hill salt dome, Matagorda County, Texas, 601; age of, 703; origin of, 704; physiography, 603; topographic map, 695; typical Gulf Coastal salt dome, 695

Big Hill wells, distribution and thickness of rock, 700, 701
Bingen group, 300

Bingen, section of, in Roxana Petroleum Corporation—Bryan No. 1, 282

Bischof, Gustave, 395, 708

Bistineau dome, 222, 269, 274, 275; cap rock, 307; location and history, 304; structure, 307; surface geology, 306; topography, 303, 305; underground geology, 307

Bloesch, Edward, 44
Blossom sand, 258, 300, 304, 314

Blue Ridge Oil Co., 612
Blue Ridge O. & D. Co., 611
Blue Ridge O. & G. Co., 611

Blue Ridge salt dome, Fort Bend County, Texas, 600; geology, 602; history, 600; location, 600; oil and gas, 607; physiography, 602; salt core cross-sections, 604; stratigraphy, 605; topographic map, 603; wells, 610

Böckl, Hugo de, 111, 178, 207
Bolton, Henry Carrington, 396, 468

Böse, Emil, 702
Bostick, Francis X., 211, 250, 273, 204
Bowman, W. F., 558

Bradford, Sidney, 358
Bramlette, M. N., 221
Breccia, 68, 69, 78, 106, 113, 115, 118

Downloaded from https://pubs.geoscienceworld.org/books/chapter-pdf/3841036/9781629812601_backmatter.pdf by guest
INDEX

Brecciation: in cap rock, 77, 79; and flowage, 58
Brechn salt dome, 39
Brooks-Auld No. 2 well, 261
Brooks dome, 212, 222, 242; cross-section, 241; geology, 238; location and history, 237; structure, 243; topography, 237, 238
Browne, Spencer C., 712
Brownlee, Roy Hutchinson, 468
Brown’s Saline, 272
Bryan Heights salt dome, Brazoria County, Texas, 68; 683, 686, 687, 689; geology, 684; history, 678; structure, 681; topography, 679; topography of the top of the cap rock, 682
Bryan Mound, Texas, topography of, 680
Buck, C. E., 7, 395
Buda, 257
Butler, 266
Butler dome, 222, 255, 263, 264, 265; cross-section, 267; geology of, 265; location and history, 262; topography, 263
Cady Petroleum Company, 329, 340, 342
Cady Petroleum Company—Southern Mineral Company, 331
Cady Petroleum Company—Southern Mineral Company No. 1 well, 334
Calcite, 51, 53, 55, 78; in Big Hill dome, 698
Calcite cap, 50, 77; character and origin, 76; replacement deposit, 76; source of the calcite of, 82; source of sedimentary material in, 80
Campbell, Marius R., 18, 223
Cane River beds, 333
Cannan, C. C., 676
Cap rock, 169, 212, 231, 459, 730, 733; Barbers Hill, 536, 539; Big Hill, 696, Big Hill, minerals in, 697; chemistry of, 84; composition of, 225; constituents, 51; Damon Mound, 630; depth in Texas and Louisiana domes, 122; different origins of, 86; Gulf Coast salt domes, 485; Hockley dome, 581, 584; King’s dome, 311; nature of, 48; origin of, 636; Pine Prairie dome, 430; sequence of types of rock, 83; South Dayton dome, 566; Spindletop dome, 482, 485; Stratton Ridge, 652; two types, 50; types in American salt domes, 751; Vacherie dome, 295; Winnfield dome, 331
Cap-rock formation, 38; deposit from solution, 39; intrusion, 39; residual origin, 39
Cap-rock pools, 5
Cap-rock problem, 38
Carpathians, 101
Carpathians and sub-Carpathians, geologic map of, 96
Carpathian Mountains proper, 88
Carpathian Region, geological structure of, 88
Carpathian region of Rumania, geology of the salt domes in, 87
Carpathian salt domes connected with the zones of more recent tectonic sinking of Cretaceous and Tertiary time, 116
Carpathian salt masses from a considerable depth, 116
Carpathian and sub-Carpathian salt domes, 177, 203
Carrizo sandstone, 216, 256, 259, 266
Carson, Charles Macdonald, 468, 469
Castell Oil Company, 646, 651, 652, 673, 676
Cavt, W. H., 529
Cayeux, L., 84
Cedar Creek dome, 215, 222, 274, 275; location and history, 334; structure, 338; surface geology, 336; topography, 336, 337; underground geology, 337
Chadwick, G. H., 44
Chalk series in Roxana Petroleum Corporation—Bryan No. 1, 283
Chapeño, possible salt dome, 771
Chapeño salt dome, Tamaulipas, Mexico, 772
Chapman, Lewis C., 39, 211, 244, 247, 259, 599
Chemical relation of salt-dome waters, 777
Cheney, C. A., 29, 211
Cheney, M. G., 44
Chlorine content, 780
Christian, W. G., 529
Claiborne group, 170, 215, 217, 219, 277, 302; in Louisiana, 286
Clapp, G. F., 18, 782
Clear Lake dome, 222, 272
Clendenin, W. W., 10, 307
Cleu, T. F., 372
Cloos, Hans, 45, 46, 160
Coastal Mound class of salt domes, 646
Coastal Oil and Fuel Company, 406, 412, 418
Coastal Plain, 265, 275
Coastal salt domes, 209
Cody Petroleum Co., 211, 244, 256
Comanchean possible source of salt, 37
Concretions from Saratoga wells, 512
Coochie Brake dome, 215, 222, 340; location and history, 341; structure, 342; surface geology, 341; topography, 340, 341; underground geology, 342
Cooke, C. W., 589
Cope, E. D., 373, 397
Coquand, 140
Corond salt dome, Transylvania, 512
Coste, Eugene, 14, 18, 20
Cote Blanche dome, geology, 380; history, 380; location, 380; map of, 382; physiography, 381
Couch et al, 620
Cowles, A. H., 19
Coxe, Daniel, 6
Craig, E. H. Cunningham, 114, 115
Cretaceous, 155, 218, 219
Crim, A. F., 221
Crooks, William, 372
Cross-section. See Section
Crowley Oil & Mineral Co., 348, 412
Crown Oil & Rfg. Co., 611
Cullen Syndicate, 627, 628
Cummings & Wilkerson, 620, 623
Cummins, W. F., 506

D
Dacian formation in Roumania, 138
Dalloni, M., 118
Damon Humble Oil Co., 620
Damon Mound, 13, 14, 23, 25, 30, 203, 775
Damon Mound Oil & P. L. Co., 620
Damon Mound oil field, Texas, 613; bibliography, 642, 643; cap rock, 630; development, 620-28; geologic history, 636; geology, 620; history, 613; location, 613; origin of the dome, 636; physiography, 619; salt core, 630; stratigraphy, 635; production curves, 638-41; structure, 632; topography, 629
Dana, E. S., 396
Dannebaum, J., 645, 676
Darby, William, 7, 395
Davey, M. A., 211, 244, 256
Davies, D. C., 396
Davidson, Arthur William, 469
Davis, Harold S., 717
Day, A. L., 18
Deep Blue Ridge Oil Co., 611
DeGolyer, E., 1, 6, 24, 26, 27, 211, 218, 225, 263, 272, 781
Denver Oil Co., 623
Detrital minerals, absence of, from salt dome cap rock, 73
Deussen, Alexander, 14, 25, 211, 214, 216, 241, 242, 247, 255, 352, 421, 426, 570, 577, 580, 770, 771, 784
Development at Barbers Hill, 933
"Diapir" fold, 179
"Diapir" folds, 153; of sub-Carpathian type, 184
Donoghue, David, 345, 352, 358
Douville, H., 122
Drake's dome, 222, 274, 275; location and history, 323; structure, 327, 328; surface geology, 325; topography, 324, 325; underground geology, 326
Drilling and production methods, Bryan Heights, 690; Damon Mound field, 639; Edgerly field, 477; Goose Creek, 555
Duff, R. C., 611
Duff, R. C. et al, 443
Duffy, J. M., 610
Dumble, E. T., 9, 20, 211, 214, 215, 216, 218, 244, 253, 255, 410, 421, 426, 431, 437, 501, 558, 644, 717, 728, 771, 782

E
Eagle Ford, 215, 249, 252, 256, 257, 258
Economic possibilities of the dome, 435
Edeleanu, J., 141
Edgerly oil field, Louisiana, 470, 780; crude oil, analysis, 475; geology, 472; history, 470; oil, character of, 475; production curve, 476; section, 473
Ehrman, F., 46
Eichelberger, O. H., 718
Ellisor, Alva C., 211, 214, 229, 243, 250, 528, 529, 594, 660, 720
Emerson & Sutton, 348
INDEX

Empire Gas and Fuel Company, 568, 646, 676, 719, 721, 724, 727, 730, 735; cross-section of well, 563
Engineering and Mining Journal, 642
Eocene, 93, 168, 170, 333
Eocene formations of Northern Louisiana, 284
European domes, 3, 45-49, 87-128, 132, 139, 148, 177-206
Ewald, R., 709

F
Fairchild Petroleum Company, 646
Falfurrias dome, 759; geology, 760; location, 759; physiography, 759
Farish et al, 645
Farley et al, 343
Faulting at Damon Mound, 631
Fay, Thornwell, Jr., 468
Fenneman, N. M., 15, 347, 418, 484, 496, 501, 516, 717
Fisher, 349
Five Islands, Louisiana, 6, 7, 8, 10, 11, 12, 38, 76, 355; bibliography of, 305-97; comparison with the great salt deposits of the world, 394; problems presented by, 392
Fleming formation, 587
Flint, Timothy, 395
Flood well, 74
Fletcher & Barrett, 349
Fletcher & Jones, 349
Flysch geosyncline, 182
Flysch-Klippen, 127
Flysch zone of the Carpathians, 90, 93, 107, 112, 177, 179
Fohs, F. Julius, 215
Foraminifera, 241, 242, 564, 587, 590, 664, 668
Formations in the salt-dome region of northern Louisiana, 279
Fossil algae and potash salts in Texas salt dome, discovery of, 781
Fossils: Big Hill dome, 500; Bryan Heights dome, 684; Cretaceous, in south Texas domes, 741; Jackson, 590; Prothro dome, 300; Saratoga, 510; Stratton Ridge dome, 668-72; from the supercap sediments at Big Hill, 702; from wells at Hockley, 589
Foster, John Wells, 396
Frasch, Herman, 712
Freeport Sulphur Company, 645, 646, 651, 652, 655, 673, 674, 675, 677
Fulda, F., 163
Fultz, H. C., 358

G
Gardner, Julia A., 211, 216, 259, 266, 589
Garrett, 548
Gas: at Big Hill, 705; at Falfurrias, 762; in Jennings field, 411; in south Texas domes, 757
Geikie, Archibald, 396
General Petroleum Co., 620, 623
Geologic cross-sections. See Sections
Geologic map: eastern Carpathians and sub-Carpathians, 96; Louisiana and east Texas, 426; part of Transylvanian basin, 98; southern sub-Carpathians, 94; Louisiana and southeast Texas, 404; Roumania showing location of Transylvanian, Carpathian, and sub-Carpathian salt domes, 178
Geology: areal, of Roumanian oil fields, 130; Avery Island, 365; Barbers Hill, 535; Bayou Bouillon dome, 351; Belle Isle dome, 385; Big Hill salt dome, Jefferson County, Texas, 498; Big Hill salt dome, Matagorda County, Texas, 694; Bistineau dome, 306; Blue Ridge dome, 602; Brooks dome, 238; Bryan Mound, 681; Butler dome, 265; Cedar Creek dome, 336; Coochie Brake, 341; Côte Blanche dome, 381; Damon Mound, 620; Drake's dome, 325; Edgerly oil field, 472; Grand Saline, 228; Hockley dome, 575-91; interior domes of Louisiana, 275; Jefferson Island, 360; Jennings dome, 403; Keechi dome, 246; King's dome, 300; Palestine dome, 256; Pine Prairie dome, 425; Price's dome, 318; Prothro dome, 290; Rayburn's dome, 314; Roumanian oil fields, 131; Saratoga field, 504; south Texas domes, 728; Spindletop dome, 482; Steen dome, 234; Stratton Ridge dome, 648-73; Sulphur dome, 456; Vacherie dome, 291; Weeks Island dome, 376; Winnfield dome, 331
Geosyncline: eastern Texas, 209; northern Louisiana, 209
German domes, 187, 190, 204; Asse type, 190; bearing on problems of American salt domes, 168, 201; bibliography on, 207; bibliography of maps of, 208; cap rock, 197; cause of upthrust, 200; gypsum cap, 197; Hannoverian type,
INDEX

190; Leine type, 190; origin of, 743; rarely petroliferous, 49; relations to setting, 198; Stassfurt type, 190; types of, 745.
German Geological Survey, maps showing salt domes, 208.
German potash salt deposits, stratigraphic section of, 756.
German salt anticlines, formation of, 162.
German salt deposits: continuity of the forms of occurrence, 154; occurrence of tectonic form of, 150; stratigraphic sections of, 188.
German salt series, stratigraphic section in, 744.
German Zechstein salt, 743.
Germany: bibliography of salt masses of, 63, 64, 207; upthrust of salt masses of, 143.
Gibsdon dome, 222.
Glen Petroleum Co., 623.
Goessmann, C. A., 7, 395, 397.
Goldman, Marcus L., 44, 50, 225, 332.
Goodrich, R. H., 398, 496.
Goose Creek, 775.
Goose Creek oil field, Harris County, Texas, 546; analysis of crude oil, 555; character of oil, 554; chlorine content in waters, 780; development, 548; drilling methods, 555; history, 546; location, 546; map, 547, 553; production, 555; production, annual curve, 550; stratigraphy, 550; structure, 552; topography, 550; wells, 552.
Grabau, A., 756.
Grand Saline dome, 9, 12, 29, 212, 215, 222, 223, 225, 226, 228, 229, 231, 244; geology, 228.
Grand Saline Salt Company, 227.
Gravity of Jennings crude, distribution, 418.
Gripp, J. K., 47, 160, 163.
Grovoiu, Voilești, and Preda, 112.
Guffey, J. M., 615.
Gulf Coast and Roumania, comparison of salt structures, 139.
Gulf coast of Texas and Louisiana, occurrence of sulphur waters in, and their significance in locating new domes, 774.
Gulf Coast domes, 50, 205, 209, 217.
Gulf Coast Oil Corporation, 551.
Gulf Coast oil field, 403.
Gulf Coast salt, Permian age of, 218.
Gulf Coastal Plain, 36, 38, 221, 248, 772.
Gulf Company, 386.
Gulf Development Company, 684.
Gulf Production Company, 643, 482, 484, 498, 502, 504, 509, 549, 572, 584, 592, 596, 609, 611, 612, 774.
Gulf Refining Company of Louisiana, 347, 348, 349, 475, 476.
Gulf Shaft, 389.
Gushers in Jennings field, 413.
Gypsum, 51, 53, 55, 56, 57, 151, 169, 225, 630, 652.
Gypsum-anhydrite cap, 50.

H
Hager, D. S., 600.
Hager, Lee, 15, 352, 354, 782.
Hager well, 353.
Hahn, F. F., 23, 118.
Hall, James, 147.
Hallville Oil and Gas Company, 228.
Hannover district, 155, 157, 189.
Hannoverian type of salt structures, 190, 194, 203.
Harbort, E., 45, 46, 118, 153, 154, 163.
Harris and Veatch, 6.
Haug, Emil, 111.
Hayes, A. O., 3.
Hayes, C. W., 13, 14, 418, 496.
Haynes, W. P., 122.
Heald, K. C., 29, 211.
Heim, A., 45.
Heligoland, 35.
Henley, A. S., 497.
Henniger, W. F., 774.
Hercynian folding, effect of, 192.
Hercynian fractures, 198.
Hercynian lines, of salt domes, 199.
Herndon, J. H., 9.
INDEX

Heywood Brothers, 349, 350
Heywood Oil Company, 412
Heywood, O. W., 346
Higgins, Patillo, 548, 595
High Island, 14
Hildesheimer Wald dome, 194
Hilgard, E. W., 8, 272, 308, 320, 328, 334, 343, 395, 396
Hill, Robert T., 11, 13, 223
Hill-Harris theory, 782
History: Avery Island dome, 362; Barbers Hill oil field, 530; Bayou Bouillon dome, 345; Belle Isle dome, 383; Big Hill salt dome, Jefferson County, Texas, 497; Big Hill salt dome, Matagorda County, Texas, 601; Bistineau dome, 304; Blue Ridge dome, 600; Brooks dome, 237; Bryan Heights salt dome, Texas, 678; Butler dome, 262; Cedar Creek dome, 334; Coochie Brake, 338; Cote Blanche dome, 380; Damon Mound, 633; Drake's dome, 323; Grand Saline, 225; Hockley dome, 570; Jefferson Island dome, 358; Jennings dome, 308; Kleechi dome, 243; King's dome, 308; Palestine dome, 253, Pine Prairie dome, 410, Price's dome, 317; Prothro dome, 297; Rayburn's dome, 312; Saratoga field, 501; Spindletop dome, 478; Steen dome, 231; Stratton Ridge dome, 644; Vacherie dome, 290; Weeks Island dome, 375; Winnfield dome, 328
Hobbs, W. H., 34, 223
Hockley district, section, 579, 580
Hockley salt dome, Harris County, Texas, 39, 570, 775; bibliography, 599; chart of strata, 586; geology, 575-91; history, 570; location, 570; map of cap rock, 582; physiography, 573; stratigraphy, 584; subsurface contour map, 578; topographic map, 576; wells, 595
Hodge-Hunt Lbr., 274
Hoff, I. H. van't, 119
Holmes, Willis B., 469
Hooks, C. G., 442
Hooks et al, 443
Hope Oil Co., 350
Hopkins, F. V., 8, 343
Hopkins, Oliver B., 21, 29, 211, 217, 244, 247, 253, 255, 256, 258, 259, 260, 782
Houston Oil Company, 498
Hull, H. V., 273, 287
Hull, J. P. D., 273, 297
Humble Oil and Refining Company, 358, 520, 551, 564, 606, 611, 617, 620, 621, 623, 639, 646, 651, 652, 656, 675, 677, 719, 721, 727, 730, 733, 734, 733, 735, 737, 740, 741, 757
Hunt, Walter Frederick, 460, 710
Hussakof, L., 577
Hyde Production Company, 618, 623, 627, 628
I
Indio, 256
Ingalls, Walter Renton, 468
Interbedded anhydrite and salt, 755
Interior salt domes, 209, 223; of Louisiana, 260; of Louisiana, regional physiography, 275; of Louisiana, table of characteristics, 276; of Louisiana, table of wells, 274; surface manifestations of, 221; of Texas, 209; of Texas, exploitation of, 212; of Texas and Louisiana, stratigraphy, 214, 215; of Texas, structure, 231; of Texas and Louisiana, topography, 221
Intrusive nature of salt stocks, Avery and Weeks Islands, 392
Intrusive origin of the Gulf Coast salt domes, 358
Invincible Oil Co., 611
Isthmus of Tehuantepec, salt domes of, 3, 4, 209
J
Jefferson Island, 23, 355; geology, 360; location, 358; map of, 250; paleontology, 360; physiography, 359; salt production, 361
Jennings dome, 400; geology, 403; history, 398; location, 398; oil of, temperature and gravity, 415; physiography, 400, 401; production, 413; structure, 406
Jennings oil field, Acadia Parish, Louisiana, 398
Jewel and North Texas Oil Company, 229
Johnson, Douglas W., 401
Johnston, John, 23
Jones, McLanahan, 612
Joor, Joseph F., 373, 397
Journee, H. M., 436
K
Kavanaugh Pet. Co., 611
Kayser, E., 119
INDEX

Keechi dome, 222, 261, 265; cross-section, 250; geology, 246; location and history, 243; structure, 252; topography, 244, 245
Keechi Petroleum Company, 267
Keever, William R., 468
Kelly, P. K., 430, 452
Kennedy, William, 9, 14, n, 2r 6, 223, 418; 423, 435, 447, 658, 662, 672, 673, 771
King, Grace, 323
King's dome, 222, 274, 275; cap rock, 311; location and history, 308; structure, 321; surface geology, 309; topographic map, 310; underground geology, 311
Kinney et al, 6II
Kirby Petroleum Company, 529, 6II
Kirby, Thomas, 684
Klippe, areas, 112
Knapp, I. N., 389, 397
Knicer, Miss H. T., 222, 229
Koch, Ant., n
Koenen, A. v., 163
Koontz, W. B., 468
Kraise, Alfred, 207
Krauss, M., 122, 135, 141
Krejci, Karl, 181–84, 206
Kreummer, A. W., 709

L
Lachmann, Richard, 153, 154, 163, 201, 207
La Lomita, a possible salt dome, 770
Lane, Miss Laura Lee, 211, 241, 224, 257, 258, 564, 570
Lang, William Robert, 468
Layne and Bowler, 595
Le Conte, Joseph, 397
Leidy, Joseph, 372, 396
Lane Valley anticline, sections, 193
Leine Valley district, 187; type of salt structures, 190
Lepius, R., 207
Lerch, Otto, 9, 10, 312, 343, 396
Limestone, 169, 225, 435, 630
Lindgren, Waldevar, 708
 Literature, see Bibliography
Little Saline, 256, 258, 260
Lockett, Samuel H., 9, 395
Lone Star Salt Company, 430
Louisiana, 1, 170, 219, 255, 263; Edgerly oil field, 470; Five Islands, 355, 356; interior salt domes of, 269; interior salt domes of, bibliography, 342–44; Jennings oil field, Acadia Parish, 398; salt domes of, 209; Section 28 Salt Dome, St. Martin Parish, 352; southern, stratigraphic section, 410; sulphur salt dome, 452; Welsh oil field, 437
Louisiana Exploration Company, 464
Louisiana Oil and Refining Company, 429, 435
Louisiana Oil Refining Corp., 374, 399, 311
Louisiana Salt Islands, 14
Lower Cretaceous, 93; possible source of salt, 37
Lower Wilcox, 266
Lowry, C. A., 350
Lucas, Anthony F., 11, 10, 21, 27, 358, 386, 389, 397, 496, 728
Lucas et al, 443
Luling oil field, 58
Lyons, Jr., J. T., 329

M
Macovei, Gh., 112, 122
Magnesium minerals in Big Hill dome, 699
Mankers Oil & Ref. Co., 623
Manning, Wentworth, 226
Mansfield, W. C., 360
Manual for the Oil and Gas Industry, 705
Manufacturers' Record, 6II
Markham salt dome, 37, 218
Maros-Ujvar salt dome, 186
Marshall, W. B., 360
Martin et al, 350
Mason, S. L., 122, 129
Matson, G. C., 217, 223, 410, 426, 431
Matticeon, W. G., 22, 28, 246
Maxwell & Sherwood, 350
Mayer et al, 6II
Merutiu, V., 112
Merutiu, V., 141
Mexia oil field, 38
Mexican salt structures, 3, 4, 40
Meyer, E., 122
Middle Leine salt-dome ridge, 201
Midway foraminifera, 248
Midway formation, 215, 243, 246, 247, 252, 253, 256, 258, 261, 265, 311, 316,
INDEX

342; in northern Louisiana, 284; in Prothro dome, 301
Milch, L. 45, 148, 163
Mills, R. van A., 28
Mine map, Weeks Island, La., 379
Mining methods, Bryan Heights dome, 690
Minor, H. E., 470, 546, 774, 777
Miocene, 93, 168; in Roumania, 138; in sub-Carpathian zone, 180
Miser, H. D., 217
Monroe gas field, 221
Moore, E. S., 513
Moore, T. W., 358
Moore, W. C., 353
Moreni dome, 782, 206
Morton Salt Company, 227
Mount Selman formation, 243, 252, 256, 259
Mrazec, L., 46, 112, 141, 153, 178, 181, 183, 206
Mulcahy, R. F., 620
Murgoci, Gh. M., 122, 129, 141, 206
Mutual Oil Co., 612
Myles Mineral Company, 427, 429, 430
Myles Salt Company, Ltd., 358

N

Nacatoch, 247
Nadaillac, Marquis de, 397
National Oil Company, 719, 727, 730, 731, 732, 733, 749, 747, 757
Navarro, 247, 249, 252, 256, 258, 266
Navarro clays, 265
Navarro formation, 215, 243, 248, 261
Navarro Oil Company, 252
Neil Esperson, 612
New Iberia, Louisiana, domes, 36, 203
Newman, Miss G., 683
New Orleans Mining Co., 389
Niedzwiedski, Julian, 111
Normal stratigraphic section of South Texas domes, 738
North American salt domes, origin of, 1
Northwestern Europe, salt mines of, 49; structure of the salt domes of, 45
Norton, E. G., 20

O

Ochsenius, Carl, 119
Oil, 231, 436; accumulation of, 516; at Barbers Hill, 540; at Belle Isle, 392;

at Big Hill, 705; from Blue Ridge, analyses of, 610; at Damon Mound, 637; at Falforrias, 762; at Goose Creek, 554; gravity of, south Texas domes, 758; at Hockley, 594; in Jennings field, 411, 412; in Roumania, 135, 137, 138; in Section 28 dome, 352; in South Texas domes, 757; Weeks Island, Louisiana, exploration for, 380
Oil and gas, 434; Bayou Bouillon dome, 351; Blue Ridge dome, 607; Cedar Creek dome, 334; Hockley dome, 591; in Louisiana, 357; possibilities of Sal del Rey and Sal Vieja, 770; Saratoga field, 514; Spindletop dome, 491; Stratton Ridge dome, 673
Oil and salt, relation between, 137
Oil fields, Roumanian, 129
Oil Investor's Journal, 418, 545, 599, 642
Oil Issues Co., 611
Oil Production Co., 612
Oil Weekly, 496
Oil Weekly Journal, The, 418

Oligocene, 93, 168; in Roumania, 138; in sub-Carpathian zone, 180
Origin: of anhydrite cap, 63; of Big Hill dome, 704; of calcite cap, 76; of cap rock, 433, 748; of cap rock, Spindletop dome, 490; of dome, Damon mound, 636; of North American salt domes, 1; of North American salt domes, discussion of, 42; of North American salt domes, theories, 5, 6, 12-14, 18, 20, 23, 26-34, 36, 38, 42; of Pine Prairie dome, 432; of Sal del Rey and Sal Vieja, 768; of salt domes, 704, 743; of Spindletop dome, 489
Owen, Richard, 7, 372, 395

P

Pace et al, 336
Pack, R. W., 506
Paggi Brothers, 504
Paggi, Charles, 518
Palangana, 724; a characteristic American salt dome, 739; cross-section, 726; history, 721; location, 720, stratigraphic section at, 739
Palangana and Piedras Pintas: structure and well map of, 725; topographic map of, 723
Paleontology: Avery Island dome, 372; Belle Isle dome, 390; Jefferson Island, 360; Keechi dome, 248; Palestine, 258
Palestine saline, 212
Palestine salt dome, Texas, 9, 35, 36, 216, 222, 227, 263; cap rock, 259; cross-section, 255; geology, 256; location and history, 253; structure, 261; topography, 254
Palmer, Dorothy K., 511
Palmer Trust well, 221
Papp, Karl N., 178, 207
Paraffin dirt, 352
Paraffine Oil Company, 524, 529
Pardee Co., 274, 309, 336
Parker, E. W., 397
Parr, S. W., 469
Paxson, Roland B., 478
Pecan Gap chalk, 228, 243, 250, 252; of Texas, 217
Penrose, R. A. F., 9
Petite Anse, 7, 10, 12, 362
Petroleum: in American and Roumanian domes, 203; deposits in Roumania, 110; occurrence of, 49; from Saratoga, Texas, analysis, 58; from Welsh, Louisiana, analysis, 450
Petrography of salt dome cap rock, 50
Phalen, W. C., 224
Physiography, Bayou Bouillon dome, 347
Piedras Pintas, 735
Piedras Pintas dome: cross-section of, 736; history, 720; location, 720; stratigraphic section at, 739
"Piercement" fold, 179
Pine Prairie, 12, 212, 220, 419
Pine Prairie dome: bibliography, 436; geology, 425; history, 419; location, 419; physiography, 420, 423; stratigraphic section, 431; topographic map, 422; west-east cross-section, 428
Plastic Flow, 45
Pleistocene, 168
Pliocene, 93, 168, 180
Plummer, F. B., 36, 266
Pogue, J. E., 3
Pomeroy, Richard A., 396
Popescu, Ilie, 141
Porter, L., 529
Posepny, 111
Potash, 169
Potash salts and fossil algae in Texas salt dome, discovery of, 781
Powell, Arthur Richard, 469
Powell oil field, 38
Powers, Sidney, 27, 29, 44, 209, 211, 220, 223, 273, 207
Pratt, Wallace E., 23, 211, 358, 401, 468
Preda, D. M., 141
Prestwich, Joseph, 396
Price's dome, 222, 255, 263, 264, 274, 275, 276; location and history, 317; structure, 323; surface geology, 318; topography, 318, 319; underground geology, 320
Prinz Adelbert salt dome, 195
Problems of North American salt domes, 172; of description, 172; of theory, 172
Problems presented by the Five Islands, 392
Producers’ Oil Company, 252, 412, 443, 502, 503, 611, 620, 621, 735, 760, 762
Production. See Wells
Production curves: Barbers Hill field, 54, 543, 544; Batson field, 525; Blue Ridge field, 608, 609; Damon Mound, 638-41; Edgerly field, 476; Goose Creek field, 550; Jennings field, 414, 416; Saratoga field, 594; Spindletop Oil Field, 493
Protescu, M. O., 141
Prothro dome, 222, 276; location and history, 297; structure, 304; surface geology, 299; topography, 298
Q
Quaternary, 93, 279; in Roumania, 132; in sub-Carpathian zone, 180
R
Ramsey, Andrew Crombie, 396
Rapley, E. E., 396
Rayburn’s dome, 222, 274, 275, 276, 284; cross-section, 317; location and history, 312; structure, 317; surface geology, 314; topography, 314, 315; underground geology, 316
Reed, Lyman C., 437
References, see Bibliography
Regna Oil Company, 504
Renner, O., 207
Republic Production Co., 443, 611
Reuss, A. E., 111
Rhenish folding, effect of, 192
Rhenish lines of salt domes, 199
Rich, J. L., 43
Riedel mine section, 195
Riedel shaft showing folding, 152
INDEX

Salt and oil, relation between, 137
Salt anticline, 2
Salt anticlines, in Germany, 149
Salt beds in Germany, 149
Salt core, 168; Batson field, 526; crosssections, Blue Ridge domes, 604; Damon Mound, 630; Hockley dome, 578; South Dayton dome, 566; Stratton Ridge, 649
Salt cores, 2, 103-106, 482; beneath the Five Islands, 392; Texas and Louisiana, 222
Salt domes: age of, in Carpathians, 116; anhydrite caps on, 75; associated with anticlines, 206; in Bay of Slanic, 183; in the Carpathian Region of Rumania, geology of, 87; characteristics, 403; distribution of, in the Carpathians, 96; distribution of, in the sub-Carpathians, 94; distribution in the Transylvanian basin, 98; European, 3, 45-49, 87-128, 132, 139, 246, 177-206, of Louisiana, location of, 269, of Louisiana, stratigraphic section of, 279; of the North German plains, 192; origin of North American, 1; relationship to structural zones of the Carpathians, 92; relations to folds and fracture lines of Carpathian Mountains, 100; and saline springs, 92; of south Texas, 718; of sub-Carpathians, 112; of Texas, Interior, 209; of Texas and Louisiana, similar in structure to German and Roumanian salt domes, 202; of Transylvania, 114
Salt domes, theories of origin, 4, 5, 30, 31, 34, 42; deposition from solution, 5, 12, 13, 14, 20, 26, 31; pressure, 19, 23, 26, 27, 34, 35, 41; structural, 5, 23, 27, 34, 36, 38; uplift by growing salt crystals, 16; volcanic, 6, 18, 20, 28, 29, 32, 33
Salt-dome alignment, 41
Salt-dome area of Texas and Louisiana, 205
Salt-dome cap rock: petrography of, 50; sequence of types of rock, 83
Salt-dome intrusion, tectonics of, 101
Salt-dome material, 5
Salt-dome studies, chronology of, 45
Salt-flowage theory of origin of North American salt domes, 31
Salt mass, form of the top of, 74
Salt masses: position of, 117; in Rumania, distribution, 132, 133; tectonic problem of, 117

Riesenfeld, E. H., 708
Rinne, F., 148, 154, 160, 163, 164
Rio Bravo Oil Company, 437, 443, 502, 503, 504, 510, 518, 519, 547, 555, 611, 657, 677, 683
Robertson, J. II., 305, 343
Rock salt, 482; in Louisiana, 355
Rock-salt core, Big Hill dome, 697
Rock strata at Big Hill, distribution of thickness of, 702
Rogers, G. Sherburne, 26, 168, 223-25, 358, 397, 704, 782
Ross, Clarence S., 300
Roumania, oil in, 136, 137, 138
Roumania and the Gulf Coast, comparison of salt structures, 139
Roumanian domes, 87, 177; bearing on American salt-dome problems, 168, 186; bibliography, 120, 206; objections to tectonic theory, 184; parallel to Carpathian overthrust, 183; theories of origin, 183
Roumanian oil fields, 129; bibliography of, 140, 141; geology, 131; stratigraphy, 131
Roxana Petroleum Company, 602, 656, 677
Roxana Petroleum Corporation, 645, 651, 675
Royal Oil & Ref. Co., 623
Rycade Oil Company, 358
Rycade Oil Corporation, 169, 347, 412, 418, 419, 478, 492, 718
Sabine Peninsula, 25
Sabine uplift, 217, 219, 220, 269
St. Martin Parish, Louisiana, Bayou Bouillon Salt Dome, 345
St. Maurice beds, 333
Sal del Rey, 763, 767; geology, 766; salt at, 768
Salines: in Louisiana, 270; of north Louisiana, 273
Salt, 436; at Avery Island, 368; Avery Island, flow structure, 367; in Belle Isle dome, 386; in Bryan Heights dome, 684, 688; of Carpathians, age of, 111; hypotheses regarding the age and genesis of, 118; in Rumania, composition, 134; in Rumania, nature of, 101; in Rumania, origin, lateral pressure, 134
S
Downloaded from https://pubs.geoscienceworld.org/books/chapter-pdf/3841036/9781629812601_backmatter.pdf by guest on 24 December 2018
INDEX

Salt masses of Germany: present forms of occurrence, 148; tectonic deformation, 144; theories in explanation of the upthrust, 153
Salt plugs without anhydrite caps, 76
Salt production: Avery Island, 373; Jefferson Island, 361; Weeks Island, 379
Salt Springs, 272
Salt stocks in Germany, 149, 150
Salt structures, 1, 2; occurrence of, outside of North America, 3
Salt structure regions in North America, 3
Sal Vieja, 763, 764, 767; geology, 766; salt at, 768; topographic map of, 765
Salzhorsten, 207
Sandoz, 350
Santa Fe Railway Company, 502
Saratoga oil, 518
Saratoga oil field, Hardin County, Texas, 501; contours on cap rock, 508; cross-sections, 509; geology, 504; history, 501; location, 501; oil and gas, 514; peculiarities, 506; production, 503, 518; topography, 507
Saratoga oil, gravity, 517
Savage Bros., 274
Sawtelle, George, 524
Schuchert, Charles, 42, 218, 220
Scott, Gaylor, 217
Sections: Arcadia, 278, 280; Avery Island, 366, 371; Batson, 527; Belle Isle, 386, 390, 391; Big Hill, 500; Blue Ridge, 604; Brooks, 241; Bryan Heights, 683, 686, 687, 689; Butler, 267; Cedar Creek, 330; Côte Blanche, 381; Damon Mound, 632; Drake’s, 325, 328; Edgerly, 473, 780; Empire, Gas & Fuel Co., 503; of European domes, 95, 97, 136, 152, 181, 182, 189, 191, 192, 193, 194, 195; Goose Creek, 553; Grand Saline, 229; Hockley, 579, 580; Humble Oil & Refining Co., 640, 641; Jennings Field, 409; Keechi, 250; King’s, 313; Lower Cretaceous in Arkansas and Louisiana, 271; Palangana, 726; Palestine, 255; Piedras Pintas, 736; Pine Prairie, 428; Rayburn’s, 317; Sal Vieja, 768; Saratoga, 509; South Dayton, 506, 507; South Texas—through the cap, 734; Spindletop, 484; Steen, 236; Stratton Ridge, 653, 654, 661, 663; Sulphur, 457, 458; Vacherie, 293, 297; Welsh, 445, 446; Wilcox formation, 272; Winnfield, 335
Section 28 salt dome, St. Martin Parish, Louisiana, 352; map, 353
Seibert, F. M., 774
Seidl, Erich, 45, 47, 118, 152, 154, 164, 189, 200, 207, 489, 744
Selig, A. L., 211, 247, 249, 257, 258, 265, 266, 273
Shaw, E. W., 21
Shelbourne, 350
Shuler, E. W., 258
Sibley, John, 323
Siebenthal, C. E., 20
Simionesey, I., 122
Simms, E. F., 352, 354, 616, 721, 732
Simms Oil Company, 549
Sims, W. L., 244
Sinclair Oil and Gas Company, 617, 618, 623, 625, 627, 628, 719, 721, 727, 730, 731, 732, 757
Sinclair Oil Co., 611, 612
Sinclair Pipe Line Company, 639
Smith, Alexander, 469
Smith, A. H., 720
Smith, C. E., 443
Smith Corkill, possible salt dome, 770
Snyder, J. W., 468
South Dayton salt dome, Liberty County, Texas, 558; age, 567; graphic log of wells, 565; history, 559; location, 558; origin, 557; production, future, 568; stratigraphy, 501; structure, 565; topographic map, 562; topography, 561
South Liberty Oil Company, 564, 568
South Texas domes: bibliography, 771; geology, 728; map, 719; normal stratigraphic section of, 738; physiography, 721
Southern oil fields, the mounds of, 15
Southern Pacific Company, 442, 502, 503
Southern Petroleum Co., 627, 628
Southern Salt Syndicate, 380
Sparta sand, 333
Speed, 595
Spezia, Giorgio, 469
Spindletop dome and oil field, Jefferson County, Texas, 5, 11, 13, 14, 275, 478; age, 490; bibliography, 490; characteristic Gulf Coast dome, 482; history, 478; location, 478; map, 481, 486; origin of, 489; production, 493; west-east section, 484
INDEX 795

Spooner, W. C., 211, 219, 269
Springs and mounds, 264
Staiti, H. T., 616
Standard Oil Co., 274, 291
Stassfurt district, 187
Stassfurt salt-dome ridge, 192
Stassfurt type of salt structures, 190
Steen dome, 222; geology, 234; location and history, 231; structure, 236; topography, 232, 233
Steen Saline, 264
Stephenson, L. W., 211, 214, 229, 239, 249, 247, 249, 257, 258, 265, 266, 273, 300
Stevens, George, 286
J. S. Stewart et al., 611
Stier, K., 201, 207
Stiles, E., 600
Stille, Hans, 45, 46, 47, 48, 142, 164, 198, 200, 208
Stoddard, Amos, 211, 216
Stratigraphic sections. See Sections
Stratton Ridge salt dome, Brazoria County, Texas, 644; cap rock, 652; contours on gypsum and anhydrite cap, 659; fossils, 668–72; geologic section, 662, 663; geology, 648–73; history, 644; location, 644; map of wells at northeast end, 659; oil and gas, 673; physiography, 646; sections, 653, 654, 661; stratigraphy, 662; structure of surrounding sediments, 657; topography, 647; wells, 675
Streak salt, 224
Stronitum minerals, in Big Hill dome, 699
Structure: of the Carpathian Mountains, 88, 89, 91; Damon Mound, 632; of the salt domes of Northwest Europe as revealed in salt mines, 45
Structure and well map of Palanganas and Piedras Pintas, 725
Sub-Carpathians, 101
Sub-Carpathian zones, 179
Success Oil Co., 621, 623
Suess, Eduard, 111
Sulphide minerals in Big Hill dome, 699
Sulphur, 51, 53, 55, 79, 212, 225, 436, 733; at Big Hill, 706; at Big Hill, importance of, 715; at Damon Mound, 640, 642; at Hockley dome, 599; world-production and consumption, 716
Sulphur dome, Louisiana, 452; bibliography, 468; geology, 456; history, 452; map of wells, 455; oil and gas, 460; oil possibilities, 464; origin of the sulphur; 463; physiography, 454; sections, 457, 458; sulphur, 460; well records, 462
Sulphur Mine, Louisiana, 50
Sulphur on Chapaño ranch, 772
Sulphur waters, occurrence of, in the gulf coast of Texas and Louisiana, and their significance in locating new domes, 774
Suman, John R., 501, 508
Sun Company, 267, 503, 504
Swift Oil & Sulphur Co., 621, 623
Syndicate and Union Sulphur Company, 387

T
Tampico Oil Company, 274, 329
Tanasecu, I. and Porucik, T., 141
Tanner, N. S., 317
Tarber Oil Company, 621
Taylor, 252, 253, 256
Taylor chalk, 247, 249
Taylor marl, 215, 228, 243
Taylor microfauna, 250
Taylor Oil Company, 611
Tectonic breccia, 101
Tectonic problem of salt masses, 117
Teisseyre, W., 111, 141, 206
Tertiary, 170, 279, 316; in German salt anticlines, 155; in Roumania, 136
Texas, 1, 74, 170, 219, 255; Barbers Hill oil field, Chambers County, 530; Batson oil field, Hardin County, Texas, 524; Big Hill salt dome, Jefferson County, 497; Big Hill salt dome, Matagorda County, 601; Blue Ridge salt dome, Fort Bend County, 600; Damon Mound oil field, 613; eastern, and northern Louisiana contour map, 213; Goose Creek oil field, Harris County, 546; Hockley salt dome, Harris County, 570; salt domes of, 209; Saratoga oil field, Hardin County, 501; South Dayton salt dome, Liberty County, 558; south, salt domes of, 718; Spindletop salt dome and oil field, Jefferson County, 478; Stratton Ridge salt dome, Brazoria County, 644; Bryan Heights salt dome, Brazoria County, 678
Texas and Louisiana: comparison of interior domes of, 221; salt structures, 40
Texas Company, 437, 498, 502, 529, 606, 611, 612, 624, 646, 676
<table>
<thead>
<tr>
<th>Location</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Texas Exploration Company</td>
<td>498, 572, 583, 585, 588, 589, 591, 592, 594, 595, 597, 616, 617, 621, 622, 624, 625, 630, well log, 633</td>
</tr>
<tr>
<td>Texas Gulf Sulphur Company</td>
<td>705, 720, 721, 727, 731, 732</td>
</tr>
<tr>
<td>Texas interior domes</td>
<td>29, 38, 253</td>
</tr>
<tr>
<td>Texas, Louisiana, Arkansas, and Oklahoma, map showing relationship of coastal and interior salt domes to Sabine and Monroe uplifts,</td>
<td>210</td>
</tr>
<tr>
<td>Texas-Louisiana domes</td>
<td>4, Gulf Coast, map of, 400, plain, 14; province, 3, salt-dome area, physiographic map, 421; salt-dome area, map, 481</td>
</tr>
<tr>
<td>Theories of dome formation: by the flow of salt under pressure, 782; intrusive origin, 782; volcanic origin, 782</td>
<td></td>
</tr>
<tr>
<td>Thomassey, M. R.</td>
<td>7, 395</td>
</tr>
<tr>
<td>Thompson, W. C.</td>
<td>216</td>
</tr>
<tr>
<td>Tilden, Josephine E.</td>
<td>218</td>
</tr>
<tr>
<td>Tomlinson, Harold W.</td>
<td>628</td>
</tr>
<tr>
<td>Topography, Bistineau dome</td>
<td>305</td>
</tr>
<tr>
<td>• Brooks dome, 238; Butler dome, 263</td>
<td></td>
</tr>
<tr>
<td>• Cedar Creek dome, 336; Coochie Brake, 340; Drake's dome, 324; of interior domes of Texas and Louisiana, 221; Keechi dome, 244; King's dome, 309; Palestine dome, 255; Price's dome, 318; Prothro dome, 298; Rayburn's dome, 314; Steen dome, 232, 233; Vacherie dome, 291; Winnfield dome, 320</td>
<td></td>
</tr>
<tr>
<td>Transylvania, 103</td>
<td></td>
</tr>
<tr>
<td>Transylvanian basin, 98, 101</td>
<td></td>
</tr>
<tr>
<td>Transylvanian domes, 114, 186, 203; their bearing on American salt-dome problems, 168, 187; bibliography on, 207</td>
<td></td>
</tr>
<tr>
<td>Triassic, 155</td>
<td></td>
</tr>
<tr>
<td>Trinity, 219</td>
<td></td>
</tr>
<tr>
<td>Trowbridge, A. C.</td>
<td>216, 719, 740, 771</td>
</tr>
<tr>
<td>Turnbow Petroleum Co., 612</td>
<td></td>
</tr>
<tr>
<td>Turrentine, J. W., 19</td>
<td></td>
</tr>
<tr>
<td>Tyson, 350</td>
<td></td>
</tr>
<tr>
<td>U</td>
<td></td>
</tr>
<tr>
<td>Uhlig, V., 122</td>
<td></td>
</tr>
<tr>
<td>Underthrusting at Palestine dome, 261</td>
<td></td>
</tr>
<tr>
<td>Union Sulphur Company, 430, 452, 618, 619, 628, 643, 690, 720, 721, 733</td>
<td></td>
</tr>
<tr>
<td>United States Geological Survey, 212, 545, 642, 643</td>
<td></td>
</tr>
<tr>
<td>Upper Cretaceous, in the Carpathians, 93; in the salt-dome region of northern Louisiana, 280</td>
<td></td>
</tr>
<tr>
<td>Upthrust: in American domes, 204; at Damon Mound, 742; of salt through lateral compression, 159; of salt, south Texas domes, 742; of salt masses of Germany, 142, 153; of salt plugs, 47</td>
<td></td>
</tr>
<tr>
<td>V</td>
<td></td>
</tr>
<tr>
<td>Vacherie dome, 222, 269, 274, 275; cap rock, 294; cross-section of, 297; location and history, 290; Louisiana, 264; rock salt, 294; structure, 206; surface geology, 201; topography, 201, 292; underground geology, 204</td>
<td></td>
</tr>
<tr>
<td>Van der Gracht, W. A. J. M. van Waterschoot, 24, 45, 122, 168, 782; discussion of Rumanian salt domes, 123</td>
<td></td>
</tr>
<tr>
<td>Vaughan, Francis Edward, 355</td>
<td></td>
</tr>
<tr>
<td>Vaughan, T. Wayland, 10, 287, 288, 344, 397</td>
<td></td>
</tr>
<tr>
<td>Vinton, 203</td>
<td></td>
</tr>
<tr>
<td>Voitești, I. P., 87, 112, 122, 138, 141, 179, 182, 206</td>
<td></td>
</tr>
<tr>
<td>W</td>
<td></td>
</tr>
<tr>
<td>Walther, Johannes, 119</td>
<td></td>
</tr>
<tr>
<td>Washburne, C. W., 20, 28, 225, 782</td>
<td></td>
</tr>
<tr>
<td>Washita, 256</td>
<td></td>
</tr>
<tr>
<td>Washita group, 257; Vacherie domé, 295</td>
<td></td>
</tr>
<tr>
<td>Washita outcrop, 261</td>
<td></td>
</tr>
<tr>
<td>Walthingen-Hänigsen salt dome, 202</td>
<td></td>
</tr>
<tr>
<td>Webber &amp; Andegree, 623, 625</td>
<td></td>
</tr>
<tr>
<td>Weeks Island, map of vicinity of the mine, 378</td>
<td></td>
</tr>
<tr>
<td>Weeks Island dome, 355; geology, 376; location, 374; map, 377; physiography, 376</td>
<td></td>
</tr>
<tr>
<td>Weldon Oil Company, 503, 504</td>
<td></td>
</tr>
</tbody>
</table>
| Wells: Arcadia, 222, 278; Avery Island, 371; Barbers Hill, 540; Batson, 526; Bayou Bouillon, 348; Belle Isle, 389; Big Hill, Jefferson County, Texas, 497, 498; Big Hill, Matagorda County, Texas, 700, 701; Bistineau, 222, 305; Blue Ridge, 610; Brooks, 222; Bryan Heights, 688; Butler, 222; Cedar Creek,
INDEX

222, 336; Chapéno, 773; Coochie Brake, 222; Damon Mound, 619; Drake's, 222, 324; Edgerly, 475; Falfurrias, 760; Goose Creek, 552; Grand Saline, 222; Hockley, 595; Jennings, 405; Keechi, 222; King's, 222, 309, 313; Palangana, 730-34; Palestine, 222, 260; Piedras Pintas, 735-37; Pine Prairie, 427-32; Price's, 320; Rayburn's, 316; Saratoga, 502-4; Section 28, 354; South Dayton, 563-69; Spindletop, 482, 484; Steen, 233; Stratton Ridge, 651, 675; Sulphur, 468-68; Vacherie, 291-95; Weeks Island, 380; Welsh, 451; Winnfield, 329

Wells, M. J. C., 324
Wells, R. C., 28, 84
Wells sections. See Wells

Welsh, Louisiana, oil field, 437; drilling methods, 440; history, 438; location, 437; oil and gas, 447; paleontology, 441; production curve, 448; production data, 440; stratigraphy, 439; structure, 442; structure contour map, 444; structure section, 445, 446; topographic map, 440; topography, 438

Welsh Oil & Development Company, 443

Werra district, 187

West Production Co., 612

Wheless, W. M., 774

White, David, 27, 30

Whiton, Henry D., 468

Wilcox, 228, 234, 235, 236, 241, 246, 252, 253, 258, 259, 261, 264, 268, 342

Wilcox formation, 286, 294, 299, 302, 304, 309, 316, 320, 333; Louisiana, 285; Prothro dome, 301

Wilcox group, 215, 219, 243

Wilcox sand, 449

Wilcox sandy clays, 266

Wilderspin, A., 228

Winnfield, 17, 212, 225, 275

Winnfield anticline, 10, 12

Winnfield dome, 222, 225; location and history, 328; surface geology, 331; topography, 329; underground geology, 334

Winnfield Oil Co., 274, 275, 336

Winnfield Quarry, 274

Winnfield Quarry dome, topographic map, 330

Winton, W. M., 217

Wolf, A. G., 691, 717, 720, 732

Woodbine sand, 215, 217, 249, 257, 267

Worthy well, 267

Woodruff, E. G., 223, 263

Y

Yegua formation, 333

Yovanovitch, B., 141

Z

Zechstein salt, 142, 144, 187, 189

Zimmermann, E., 46, 208

PRINTED IN THE U.S.A.