

**Inventory of the
National Fire Danger Rating
System Collection, 1911 - 2004**



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Descriptive Summary

Title:	National Fire Danger Rating System Collection,
Dates:	1911 - 2004
Abstract:	<p>A team of fire scientists and fire control personnel began work on the National Fire Danger Rating System in 1959, and tested the partially-developed system throughout the United States. The system, which sought to determine the probability of forest fire, became fully operational in 1972.</p> <p>The collection includes memoranda and correspondence among fire researchers and fire control personnel, as well as scientific work product documents such as data tables, graphs, charts, maps, fire danger rating devices, and research project documentation, ranging in date from 1911 to 2004. The materials in the collection document the process by which John Keetch and other research scientists combined regionally specific criteria for fire danger rating into a nationally applicable fire danger rating system. Later materials, created and collected by Dale D. Wade, reflect the subsequent shift in research priorities of the next generation of fire control scientists, from fire predictability toward studies in prescribed burning, air quality, and fire weather.</p>
Extent:	10.5 linear feet(7 record cartons)
Repository:	Forest History Society Library and Archives
Call Number:	
Language of Material:	Material in English

Historical Note

Following H.T. Gisborne's invention of the first Fire Danger Meter in 1939, eight distinct fire prediction systems were in use across the United States. Fire researchers recognized the need for a national system to determine the probability of forest fire. A team of fire scientists and fire control personnel, including field researcher John J. Keetch, began work on the National Fire Danger Rating System in 1959, and tested the partially-developed system throughout the United States. The system became fully operational in 1972.

After development of the national system, research priorities of the next generation of fire control scientists, such as Dale D. Wade, shifted away from fire predictability toward studies in prescribed burning, air quality, and fire weather.

Collection Overview

The collection includes memoranda and correspondence among fire researchers and fire control personnel, as well as scientific work product documents such as data tables, graphs, charts, maps, fire danger rating devices, and research project documentation, ranging in date from 1911 to 2004. The materials in the collection document the process by which John Keetch and other research scientists combined regionally specific criteria for fire danger rating into a nationally applicable fire danger rating system. Later materials, created and collected by Dale D. Wade, reflect the subsequent shift in research priorities of the next generation of fire control scientists, from fire predictability toward studies in prescribed burning, air quality, and fire weather.

Collection Arrangement

1. Fire Danger Bound Volumes, 1952-1964
2. Subject Files, 1911-2004

Restrictions

Access Restrictions

No restrictions.

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Subject Headings

Wade, Dale D.

Forest fire forecasting -- United States

Forest fires -- United States -- Prevention and control

Keetch, John J. (John James), 1911-

Wildfire forecasting -- United States

Wildfires -- United States--Prevention and control

Administrative Information

Preferred Citation

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Processing Information

Processed by Jessie Henninger, November 2008

Encoded by Amanda Ross, November 2008

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Detailed Description of the Collection

1. Fire Danger Bound Volumes, 1952-1964.

Folder 11-3	"1952 Forest Fires and Fire Danger In..."
Folder 14-5	"1953 Forest Fires and Fire Danger In..."
Folder 16-8	"1954 Forest Fires and Fire Danger In..."
Folder 19-11	"1955 Forest Fires and Fire Danger In..."
Folder 112-14	"1956 Forest Fires and Fire Danger In..."
Folder 115-17	"1957 Forest Fires and Fire Danger In..."
Folder 118-20	"1958 Forest Fires and Fire Danger In..."
Folder 121-23	"1959 Forest Fires and Fire Danger In..."
Folder 224-25	"1960 Forest Fires and Fire Danger In..."
Folder 226-27	"1961 Forest Fires and Fire Danger In..."
Folder 228-29	"1962 Forest Fires and Fire Danger In..."
Folder 230-31	"1963 Forest Fires and Fire Danger In..."
Folder 232-33	"1964 Forest Fires and Fire Danger In..."

2. Subject Files, 1911-2004.

Folder 234	Annual Reports of Southern Forest Experiment Station, 1957-1963
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Includes Annual Report, 1957, Southern Forest Experiment Station, Philip A. Brieglieb, director, focus on fire control and the direct effects of fire on the environment, as well as fuels and fire behavior; 1958 at the Southern Forest Experiment Station, Philip A. Brieglieb, director, summarizes SFES' research in fire prevention, causes, and fuel measurement; 1959 at the Southern Forest Experiment Station, Philip A. Brieglieb, director, summary of research at SFES in fire meteorology, predicting fire loads, and prescribed burning; 1960 at the Southern Forest Experiment Station, Philip A. Brieglieb, director, summary of research at SFES includes such topics as the effect of heat on vegetation, the heat resistance of bark, estimating the mortality of fire-damaged trees, and the intersection of rainfall and fire; 1962 at the Southern Forest Experiment Station, summary of research at the SFES includes such topics as drought and fuel moisture, and bark characteristics and fire resistance; 1963 at the Southern Forest Experiment Station, Walter M. Zillgitt, director, summary of research at the SFES includes such topics as fire prevention, mountain fire danger, and the heating of cambium in surface fires.

Folder 235	Annual Reports of the Georgia Forest Research Council, 1957-1967
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Folder 236	Annual Reports of the Southeastern Forest Experiment Station, 1957-1960
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Includes Annual Report 1960, Southeastern Forest Experiment Station, Asheville, NC; Report for 1961, Southeastern Forest Experiment Station, Asheville, NC; 1962 at the Southeastern Forest Experiment Station, Asheville, NC; 1963 Research at the Southeastern Forest Experiment Station, Southeastern Forest Experiment Station, Asheville, NC; Research at the Southern Forest Fire Laboratory, Southeastern Forest Experiment Station, Asheville, NC, October 1961; Annual Report of the Southeastern Forest Experiment Station, 1957, summary of research, forest fire chapter includes information on fire behavior, fire physics, and fire training; Annual Report of the Southeastern Forest Experiment Station, 1958, summary of research, forest fire chapter includes information on estimating drought conditions, fire behavior, the unified fire danger system, aerial fire suppression, and classification of forest fuels; Annual Report of the Southeastern Forest Experiment Station, 1959, summary of research, forest fire chapter includes information on forest fuels, fire behavior, and prescribed burning.

Folder 237

Annual Reports of the Southeastern Forest Experiment Station, Excerpts, 1948-1963

Includes photocopy excerpted from Biennial Report of the Southeastern Forest Experiment Station for the Years 1947 and 1948, Station Paper No. 2, summarizes research of the SEFES and includes topics such as better fire protection, use of the new fire danger meter, the comprehensive fire bulletin, and fire prediction; Photocopy excerpted from Biennial Report of the Southeastern Forest Experiment Station for the Years 1949 and 1950, summary of research of the SEFES including such topics as fire protection, fire behavior, fire damage appraisal, fire danger measurement, and fire prediction; Photocopy of excerpt from Annual Report of the Southeastern Forest Experiment Station 1951, E.L. Demmon, director, summarizes research of the SEFES including such topics as fuel moisture, fire behavior, and increased use of fire danger measurements; Photocopy of excerpt from Annual Report of the Southeastern Forest Experiment Station 1952, Station Paper No. 22, E.L. Demmon, director, summarizes research of the SEFES including such topics as the cumulative fire danger index, fire danger stations, and the effects of atmospheric stability on forest fires; Photocopy of excerpt from Annual Report of the Southeastern Forest Experiment Station, 1953, Station Paper No. 34, E.L. Demmon, director, summarizes research of the SEFES including information on the development of a new fire danger meter Type 8-W; Photocopy of excerpt from Annual Report of the Southeastern Forest Experiment Station, 1954, Station Paper No. 50, E.L. Demmon, director, summarizes forest fire research in the area of effect of wind profiles on fire behavior; Photocopy of excerpt from Annual Report of the Southeastern Forest Experiment Station, 1955, E.L. Demmon, director, summarizes research in the application of fire danger measurements; Photocopy of excerpt from Annual Report of the Southeastern Forest Experiment Station, 1956, Joseph F. Pechanec, director, includes research summaries on topics such as the Buckhead Fire, Georgia Fire Problem Analysis, number of fires burned related to burning index, and testing the 8-100-O fire danger meter in the Longleaf-Slash Region; Photocopy of excerpt from Annual Report of the Southeastern Forest Experiment Station, 1961, summary of research contains such topics as fire weather and fire danger measurements, fire models, fire and the environment, sand casting, and prescribed burning.

Folder 238

Brochures, circa 1971, circa 1998, and undated

Includes brochure entitled "Joint Fire Science Program," describing the collaboration among the US Forest Service, the Bureau of Indian Affairs, the Bureau of Land Management, the National Park Service, the US Fish and Wildlife Service and the US Geological Survey, established to fill gaps in knowledge about forest fires and fuels, c. 1998; Brochure entitled "Fire and Fire Surrogate Study in the Southern Coastal Plain: Treatments for Fuel Reduction," by the Joint Fire Science Program, no date; Brochure entitled "Managing Fires in Southern Forests: A Look Ahead," Southeastern Forest Experiment Station cooperating with Seaboard Coast Line Railroad Company, Columbia, SC, c. 1971.

- Folder 239 Burning Index, 1949 and 1957
- Includes rough draft of "Burning Index and Relative Fire Occurrence in the Northeast" by A.W. Lindenmuth, Jr. and John J. Keetch, September 14, 1949; Table showing "Normal Burning Index on National Forests of Region 7, based on 1943-1952 data, adjusted to meter 8," revised June 15, 1956, with attached memorandum denoting revision of the normal Burning Index; Excerpt from *Journal of Forestry*, Volume 57, Number 9, September 1957, criticizing the use of more than two variables to compute the burning index, by William E Reifsnnyder, Yale School of Forestry.
- Folder 240 Canada
- Folder 241 Damage Appraisal Meter
- Folder 242 Data
- Folder 243 Equipment
- Includes mortarboard psychrometer templates, bill of materials, specs, USFS Research Paper SE-5 "Mortarboard Psychrometer" by Dee Taylor, 1963, instructions for assembling, notes and letters pertaining to this instrument; List of anemometer suppliers and addresses, March 21, 1946; Letter from John Keetch to "The Files" listing sources and prices for fire danger measuring equipment, May 23, 1946, revised May 1948; Specification for a Fuel Moisture Stick Support Suitable for Use at Open-Type Fire Danger Stations, with Litter Box and Shade Screen Support Plan Suggested by Southeastern Forest Experiment Station on back, March 12, 1958; Bill of Materials and Details of Weighing Shelter [no date]; Specification for Shade Screen Frame and Support for Fuel Moisture Installation at an Open Fire Danger Station, January 29, 1958; Specification for Suggested Ground Plan for Open-Type Fire Danger Station, T.G. Storey, 1956; Proposed Specification for Anemometer, Floating Ball Type, Plastic, April 17, 1963; Handmade untitled calculator by R Nelson showing Burning Index by class day for various Dewpoint temperatures and dry bulb temperatures, April 21, 1954.
- Folder 244 Fire Control Conferences and Meetings, 1945, 1949, 1955, 1961, and 1997
- Folder 245 Fire Control Conferences and Meetings -- Denver Meeting March 25-28, 1963
- Folder 246 Fire Control Conferences and Meetings -- National Forest Fire Laboratory, Missoula, MT, May 1-4, 1961
- Folder 247 Fire Danger Measurement, 1940-1961 and undated
- Folder 248 Fire Danger Meter, Appalachian Region, 1937, 1938, and 1949
- Includes 1 early Forest Fire Danger Meter issued by the Appalachian Forest Experiment Station, Asheville, NC, July 1937; Example of early Forest Fire Danger Meter for Southern Appalachian Mountains, Meter Type #4, issued by the Appalachian Forest Experiment Station, Asheville, NC, September 1937; Example of early Forest Fire Danger Meter issued by the Appalachian Forest Experiment Station, Asheville, NC, for Piedmont and Coastal Plain, Type #6, February 1938; WV Conservation July 1949 containing 2 articles on fire danger.
- Folder 249 Fire Danger Meter, Burning Index Meter Model 8, 1955
- Includes 1 plastic Burning Index Meter Model 8, issued by the Intermountain Forest and Range Experiment Station, Ogden, UT, 1955.
- Folder 250 Fire Danger Meter, Central States

Includes table for Finding the Adjusted Days Since Rain to Us When Precipitation is Recorded at 8:00 A.M., with handwritten label that reads "Central States Meter."

Folder 251 Fire Danger Meter, Dispatcher's Guide Meter, 1945

Includes Dispatcher's Guide Meter, High Spreading Fuels, 1945; Dispatcher's Guide Meter, Low Spreading Fuels, 1945; Dispatcher's Guide Meter, Extreme Spreading Fuels, 1945; Dispatcher's Guide Meter, Medium Spreading Fuels, 1945; Dispatcher's Guide Meter for estimating fuel moisture, 1945.

Folder 252 Fire Danger Meter, Lake States Burning Index Meter, 1938 and 1949

Includes 1 Lake States Burning Index Meter prepared by the Lake States Forest Experiment Station, University Farm, St. Paul, Minnesota, 1949; Explanation of the Lake States Fire Danger Meter issued by the Lake States Forest Experiment Station, March 15, 1938; "Supplemental Instructions for Using Lake States Burning Index Meter," Revised 1949, May 20, 1949, with cover letter from M.H. Davis to Lake States Forests, March 29, 1949.

Folder 253 Fire Danger Meter, Longleaf-Slash Pine Type, 1939 and undated

Includes 2 examples of Longleaf-Slash Pine Forest Fire Danger Meters, issued by Southeastern Forest Experiment Station, Asheville, NC, no date. One annotated "test meter." Example of 2 slide-rule type rectangular Longleaf-Slash Pine Fire-Danger Meters issued by Southern Forest Experiment Station, November 1939; Document entitled "Instructions for Dispatchers in Using the Longleaf Slash Pine Fire-Danger Meter," by C.A. Bickford and David Bruce, Southern Forest Experiment Station, November 24, 1939; "Report on the 100-Point Longleaf-Slash Pine Test Meter," by A.W. Lindenmuth, Jr., December 4, 1950.

Folder 254 Fire Danger Meter, Make 3 by A. G. McArthur, 1962-1963

Includes forest fire danger meter Make 3 designed by A. G. McArthur, Canberra, Australia, 1963; Attached letter from A. Hodgson to John Keetch regarding fire danger meter and fire danger tables; Set of Fire Danger Tables, 1962.

Folder 255 Fire Danger Meter, Melin Fire Danger Meter

Includes example of J.B. Melin, meteorologist, forest fire danger meter for use in the state of Washington.

Folder 256 Fire Danger Meter, Northern Rocky Mountain Region, 1942 and undated

Includes 1 Forest Fire Danger Meter applicable to brush-covered burns, contains vegetation index, issued by the Northern Rocky Mtn. Forest and Range Experiment Station, Missoula, MT; 1 Forest Fire Danger Meter issued by the Northern Rocky Mtn. Forest and Range Experiment Station, Missoula, MT; "Measurement of Forest Fire Danger Variables in the Northern Rocky Mountain Region," Northern Rocky Mountain Forest and Range Experiment Station, June 10, 1942 with attached Burning Index meter.

Folder 257 Fire Danger Meter, Prescribed Burning Meter D-1

Includes instructions for Prescribed Burning Indicator D-1 for Southern Coastal Plain; Prescribed Burning Indicator D-1; Page of handwritten notes entitled "Meter Development."

Folder 258 Fire Danger Meter, Rate of Spread Meter, 1954

- Includes 1 Rate of Spread Meter for use in the Southwestern Region, contains Litter Moisture Factor Adjuster, 1954.
- Folder 259 Fire Danger Meter, Rocky Mountain Region
- Includes 1 Forest Fire Danger Meter, Northern Rocky Mountain Region, Missoula, Montana.
- Folder 360 Fire Danger Meter, Spread Index Meter, 1967
- Includes 1 plastic Spread Index Meter contained in envelope, for use with National Fire Danger Rating System, 1967.
- Folder 361 Fire Danger Meter, Spread Index to Rate of Spread Conversion Meter, 1967
- Includes 1 Spread Index to Rate of Spread Conversion Meter. Folder Contents: 1 Spread Index to Rate of Spread Conversion Meter for use with the National Fire Danger Rating System in the Intermountain Area, designed by R.J. Barney and W.C. Fischer, 1967.
- Folder 362 Fire Danger Meter, Type 5-A, 1938
- Includes 1 rectangular paperboard Forest Fire Danger Meter Type 5-A, for use in the mountainous regions of the eastern United States, designed by George M. Jemison, October 1938.
- Folder 363 Fire Danger Meter, Type 5-B, 1942
- Includes 2 examples of early rectangular cardboard slide rule type Forest Fire Danger Meters for use in the Mountainous Regions of the Eastern United States.
- Folder 364 Fire Danger Meter, Type 5-O, July 1, 1948
- Folder 365 Fire Danger Meter, Type 5-W, 1950
- Includes "Report on the Wide Range 100-Point Mountain Test Meter," by A.W. Lindenmuth, Jr., November 7, 1950.
- Folder 366 Fire Danger Meter, Type 7, 1939
- Includes 1 forest fire danger meter Type 7, for use in the coastal plain regions of the southeastern United States, designed by George W. Jemison, October 1939; Memorandum for director from George W. Jemison in re: fire danger meter Type 7, August 12, 1939; Example of Forest Fire Danger Meter, Type 7, for use in the Coastal Plain regions of the Southeastern United States, issued by Southeastern Forest Experiment Station, Asheville, NC; "Report on the 100-Point Coastal Plain Test Meter," by A.W. Lindenmuth, Jr., January 3, 1951.
- Folder 367 Fire Danger Meter, Type 8-100-O, October 1954
- Includes 2 examples of Forest Fire Danger Meter Type 8-100-O, issued by the Southeastern Forest Experiment Station in Asheville, North Carolina, one annotated thusly: "Adjusted Meter IME-GILA, use with fuel moisture factors graph." 8.5" x 11" paperboard, 8-100-O System Fire Danger Weather Codes on one side and table of National Fire Danger System codes on the other.
- Folder 368 Fire Danger Meter, Type 8-100-W, October 1954

- Includes 1 Forest Fire Danger Meter Type 8-100-W, October 1954, issued by Southeastern Forest Experiment Station, Asheville, North Carolina.
- Folder 369 Fire Danger Meter, Type 8-O, January 1954
- Includes 1 Forest Fire Danger Meter Type 8-O, January 1954, issued by the Southeastern Forest Experiment Station, Asheville, North Carolina; Station Paper No. 33 "Instructions for Using Forest Fire Danger Meter Type 8," by John Keetch, Southeastern Forest Experiment Station, January 1954.
- Folder 370 Fire Danger Meter, Type 8-W, January 1954
- Includes 1 Fire Danger Meter Type 8-W, January 1954; Station Paper No. 33 "Instructions for Using Forest Fire Danger Meter Type 8," by John Keetch, Southeastern Forest Experiment Station, January 1954.
- Folder 371 Fire Danger Meter, Type C-W
- Includes 1 Forest Fire Danger Meter, Type C-W, issued by Southeastern Forest Experiment Station, Asheville, NC. Back identifies it as, "Mountain Test Meter for use in the Northeastern and Mountainous Sections of the Southeastern United States Where Wind and Fuel Moisture Measurements are Made Under Natural Forest Conditions."
- Folder 372 Fire Danger Rating -- Region 5, 1962 and undated
- Folder 373 Fire Danger Rating -- Region 6, 1968
- Folder 374 Fire Weather -- Region 6, 1960
- Folder 375-78 Fire Weather -- Region 8, 1960-1982
- Folder 379 Forest Fire Causes, 1978
- Folder 380 Forest Fire Danger Stations, 1948
- Folder 381 Forest Fire Statistics, 1916-1929
- Folder 382 Forest Fire Statistics, 1929-1934
- Folder 383 Forest Fire Statistics, 1935-1939
- Folder 384 Forest Fire Statistics, 1940-1956
- Folder 385 Forest Fire Statistics, 1966-1970
- Folder 386 Forest Fire Statistics, 1971-1976
- Folder 387 Forest Fire Summaries, 1952-1975
- Folder 388 Forms, 1939-1966
- Folder 389 Fuel Moisture, 1947-1965 and undated
- Folder 390 Handbooks and Manuals -- Fire Danger Rating Category 2: Handbook, Reviews and Comments, 1963
- Folder 491 Handbooks and Manuals -- National Fire Danger Rating System Handbook, Category 2, 1963-1964 and undated

Folder 492 Handbooks and Manuals -- National Fire Danger Rating System Handbook, Region 10 Supplements, 1964-1967

Folder 493 Handbooks and Manuals -- National Fire Danger Rating System Handbook, Region 6 Supplements, 1959-1969

Folder 494 Handbooks and Manuals -- National Fire Danger Rating System Handbook, Region 7 Supplements, 1954-1971

Folder 495-96 Handbooks and Manuals -- National Fire Danger Rating System Handbook, Region 8 Supplements, 1964-1986

Folder 497 Handbooks and Manuals -- National Fire Danger Rating System Handbook, Region 9 Supplements, 1964-1967

Folder 498 Handbooks and Manuals -- Weather Bureau Observing Handbook No. 2, 1970

Folder 499 Initial Attack Strength Calculator

Folder 4100 Law and Legislation, 1925

Folder 4101 Line Project Annual Reports, 1956-1958

Folder 4102 Line Project Annual Reports, 1959

Folder 4103 Line Project Annual Reports, 1960

Folder 4104 Line Project Annual Reports, 1961

Folder 4105 Line Project Annual Reports, 1962

Folder 4106 Line Project Annual Reports, 1963-1969

Folder 4107 Line Project Annual Reports, 1970-1972

Folder 4108 Manning, 1956-1962

Folder 4109 National Fire Planning Instructions, circa 1972

Folder 4110 National Forest Fire Reports, 1941-1949

Folder 4111 National Forest Fire Reports, 1950-1959

Folder 5112 National Forest Fire Reports, 1960-1969

Folder 5113 National Forest Fire Reports, 1970-1974

Folder 5114 National Forest Fire Reports, 1985 and 1992-1993

Folder 5115 Planning, 2002

Folder 5116 Policy, 1989-1997 and undated

Folder 5117-118 Prescribed Burning, 1937-1992 and undated

Folder 5119 Public Broadcasting, 1946-1952 and undated

Folder 5120 Region 7, 1950-1957 and undated

Folder 5121 Region 8, 1981

Folder 5122 Region 9, 1943

Folder 5123 Relative Severity Rating Reports, 1969-1970

Folder 5124 Report on Development of National Fire Danger System, circa 1965

Folder 5125 Research and Studies -- Air Quality, circa 1975-1987

Folder 5126 Research and Studies -- Annual Reports, 1959-2004 and undated

Folder 5127 Research and Studies -- Fire Damage, Toccoa Experimental Forest, 1934-1943

Folder 5128 Research and Studies -- Fire Danger Meters, 1942-1960

Folder 5129 Research and Studies -- Fire Danger Rating, 1949 and 1958

Folder 5130 Research and Studies -- Fire Management, circa 1970, 1975, and undated

Folder 5131 Research and Studies -- Fire Physics, 1964-1973

Folder 5132 Research and Studies -- Fire Weather, 1977

Folder 5133 Research and Studies -- Forest Fire Control, 1943

Folder 5134 Research and Studies -- Forest Fire Research Uniform Projects, 1963

Folder 5135 Research and Studies -- Fuel Moisture, 1923-1958

Folder 5136 Research and Studies -- Prescribed Burning, 1958-1991

Folder 5137 Research and Studies -- Research Attainment Reports, 1978-1989 and undated

Folder 5138 Research and Studies -- Research Planning, 1935-1998 and undated

Folder 5139 Research and Studies -- Southern Fire Research, circa 1946-2004 and undated

Folder 6140 Southern Area Annual Fire Reports, 1984-1985

Folder 6141 Southern Area Annual Fire Reports, 1990, 1992-1993

Folder 6142 Southern Area Annual Fire Reports, 1994-1997

Folder 6143 Southern Forest Fire Laboratory, Macon, Georgia, 1959

Folder 6144 Specifications for Preliminary Unified Fire Danger System, 1959-1961

Folder 6145 Specifications for Preliminary Unified Fire Danger System, Region 1, 1960

Folder 6146 Specifications for Preliminary Unified Fire Danger System, Region 2, 3 and 4, 1960

Folder 6147 Specifications for Preliminary Unified Fire Danger System, Region 5 and 6, 1960, 1971, and undated

Folder 6148 Specifications for Preliminary Unified Fire Danger System, Regions 7, 8, and 9, 1960

Folder 6149 Speeches and Publications, 1958-1971

Folder 6150 Spread Index -- Data, 1962

Folder 6151 Spread Index Meter, 1966-1967 and undated

Folder 6152 Spread Phase Tables, 1962-1966 and undated

Folder 6153 Statistics, 1959-1998

Folder 6154 Statistics -- Region 10, 1969-1983

Folder 6155 Statistics -- Region 5, 1970-1976

Folder 6156 Statistics -- Region 8, circa 1947-2001 and undated

Folder 6157 Statistics -- Region 9, 1911

Folder 6158 Technical Notes, 1938-1942

Folder 6159 Temporary Directive No. 73, National Fire Danger Rating System, 1963

Folder 6160 Training Materials -- Region 1, 1958

Folder 6161 Training Materials -- Region 5, 1963

Folder 6162 Training Materials -- Region 6, 1957

Folder 6163 Training Materials -- Region 7, 1956 and undated

Folder 6164 Training Materials -- Region 7, National Forest Fire Training School, 1957

Folder 6165 Training Materials -- Region 8, 1957-1982 and undated

Folder 6166 Training Materials -- Region 8, Fire Behavior Training Course, 1959

Folder 6167 Unified Fire Danger Rating System -- Analysis, 1961-1963 and undated

Folder 6168-170 Unified Fire Danger System Development, Correspondence, 1957-1961

Folder 7171-172 Unified Fire Danger System Development, Correspondence, 1962-1964

Folder 7173 Unified Fire Danger System Development, Feedback from Regions, 1961-1963

Folder 7174 Unified Fire Danger System Development, Field Trial -- Correspondence, 1970-1971

Folder 7175 Unified Fire Danger System Development, Field Trials -- General Instructions, 1970-1971

Folder 7176 Unified Fire Danger System Development, Field Trials -- Working Tables, 1970-1971

Folder 7177 Unified Fire Danger System Development -- Memoranda and Station Responses, 1959-1960

Folder 7178 Unified Fire Danger System Development, Region 1, 1958 and undated

Folder 7179 Unified Fire Danger System Development, Region 1 -- Forms, 1955-1958 and undated

Folder 7180 Unified Fire Danger System Development, Region 1 -- John Keetch Notes, 1961 and undated

Folder 7181 Unified Fire Danger System Development, Region 1 -- Testing, 1959-1963

Folder 7182 Unified Fire Danger System Development, Region 2, 1940-1966

Folder 7183 Unified Fire Danger System Development, Region 3, 1953-1961 and undated

Folder 7184 Unified Fire Danger System Development, Region 4, 1960-1966

Folder 7185 Unified Fire Danger System Development, Region 5 -- Burning Index Revision, 1958

Folder 7186 Unified Fire Danger System Development, Region 5 -- Data, 1956-1961 and undated

Folder 7187 Unified Fire Danger System Development, Region 5 -- Fire Weather Stations, 1958 and undated

Folder 7188 Unified Fire Danger System Development, Region 5 -- General, 1954-1964 and undated

Folder 7189 Unified Fire Danger System Development, Region 5 -- Maps, 1944 and 1953

Folder 7190 Unified Fire Danger System Development, Region 6 -- Danger Meters, 1940 and 1950

Folder 7191 Unified Fire Danger System Development, Region 6 -- Forms, 1951, 19571 and 1958

Folder 7192 Unified Fire Danger System Development, Region 6 -- General, 1939-1963 and undated

Folder 7193 Unified Fire Danger System Development, Region 6 -- John Keetch Notes, 1958 and undated

Folder 7194 Unified Fire Danger System Development, Region 6 -- Maps, 1953 and 1964

Folder 7195 Unified Fire Danger System Development, Region 6 -- Oregon Climate Studies, 1959-1960

Folder 7196 Unified Fire Danger System Development, Region 6 -- Presuppression, 1956 and undated

Folder 7197 Unified Fire Danger System Development, Region 6 -- Research, 1931-1964

Folder 7198 Unified Fire Danger System Development, Region 7, 1955-1964 and undated

Folder 7199 Unified Fire Danger System Development, Region 9, 1951-1963 and undated

Folder 7200 Unified Fire Danger System Development, Regional Status Reports, 1958-1959

Folder 7201 Unified Fire Danger System Development, Special Fire Danger Advisory Session (November 8, 1960), 1960-1961

Folder 7202 Unified Fire Danger System Development, System Comparisons, circa 1961

Folder 7203 Unified Fire Danger System Development, Test Stations, General, 1961-1962

Folder 7204 Unified Fire Danger System Development, Test Stations, Regions 1-5, 1961

Folder 7205 Unified Fire Danger System Development, Test Stations, Regions 6 and 7, 1963-1971

Folder 7206 Unified Fire Danger System Development, Test Stations, Regions 9 and 10, 1961-1962

Folder 7207 Variables, 1934-1968 and undated