

## UC Davis Special Collections

*This document represents a preliminary list of the contents of the boxes of this collection.*

*The preliminary list was created for the most part by listing the creators' folder headings. At this time researchers should be aware that we cannot verify exact contents of this collection, but provide this information to assist your research.*

### **D-100: Brooks, Frederick Augustus. Papers**

#### **BOX 1:**

Files ca. 1960, syllabus, radiometer info.

#### **BOX 2:**

Files ca. 1960, Tokyo Project

#### **BOX 3:**

Files ca. 1964-65.

#### **BOX 4:**

Files ca. 1964, meteorological equipment.

#### **BOX 5:**

F.A. Brooks Chapter IV  
General teaching notes  
Ag. Eng. 106 micro-climate home problem E. Beery  
e Quiz teaching notes  
New syllabus, chapter IV originals  
Weather type  
20-pt. automat. record  
Research climate recording  
Minimum observations  
Teaching descriptions local climate  
Smog near industrial areas  
Night temperature differences  
Wind and drift differences  
Day temperature differences  
Dew points  
Humidity differences  
Precipitation differences  
Sunshine differences  
Bio meteorology  
Teach var. in farm climates

Eddy transfer  
Syllabus chapter VII original  
Teaching notes  
Regional physiographic influences  
Local differences in solar radiation  
Summer temperatures and humidities  
Surface wind and probabilities of max velocity  
Precipitation differences due to slope and orientation  
Daily soil temperature a result of local heat balance  
General phenological equivalence in latitude, elevation, etc.  
Climatic limitations for fruit and ornamentals  
Temperature departures in special locations  
Teaching notes  
Micro weather recording stations  
Weather cycles and characteristic weather types  
Diurnal cycles of weather factors  
Teaching notes - regional climate  
Current climatological reports of the USWB  
Annual graphs of climate factors  
Essential climatic maps for the USA  
APPAI Radiometers; Exposure  
Artificial precipitation  
Appendix B: Fourier Analysis chart  
Run-off  
Appendix C: Use of heat flow meter  
Appendix H: Operating instructions for spot climate station California  
ANEMOM  
Soil moisture instruments  
Appendix Ia: Vapor pressure and dew point  
Appendix Ib: Relative humidity  
Appendix D: Dimensions, symbols, and descriptions  
Went's Commission. A of R meteorology

## **BOX 6:**

USDA research information  
Went's Natural Resources Commission 1959  
AMS Commission Ag. meteorology  
Radiometer research proposal to Weather Bureau 1962  
Appendix Ic: Wet-bulb temp.  
1966 project proposal replies  
1-5A preap. processes  
Dew and humidity  
1-5B Fog, clouds, rain, snow  
1-5B Snow  
1-5C Diurnal air flows  
Development of a pickup machine for prunes  
Engineering 290 specialization  
E 290  
Comments on educational policy

E290 The artist engineer  
Bio-meteorology Ag. micro-climate (Coulson's Environment)  
West San Joaquin climate study  
Syllabus 106 originals Chapter I  
0-1 Preface or introduction  
Teach - general climate  
1-2A World-wide temperatures  
1-1 Climate classification  
1-2A World-wide precipitation  
Teach. weather belts, air mass, wind  
1-3B World-wide weather belts  
1-3C Air masses, paths  
1-4 Weather type  
Teach. The atmosphere  
1-7 composition of air  
1-8 vertical distribution of pressure  
Temperature lapse rates  
Moisture in troposphere  
1-11A Vapor pressure/Dewpoint; Appendix 1  
1-11B Subsid; Foehn winds  
1-12 Relative humidity/Wet-bulb  
1-13 Psychro chart Appendix 1  
Teach weather processes  
2- Class attendance books -- 1940-42.

**BOX 7:**

Reprints, typescripts, project files for F.A. Brooks, Dept. of Agricultural Engineering.  
1958-1962.

**BOX 8:**

Reprints, typescripts, project files for F.A. Brooks, Dept. of Agricultural Engineering.  
1958-1962.