

## Meteorology/Atmospheric Sciences: General

- Aristotle (350 BC; trans. by Webster, 2000) - Meteorology
- Trotter (1837) - The Principles of Meteorology
- Howard (1843) - Seven Lectures on Meteorology
- Davis (1894) - Elementary Meteorology
- Shaw (1919-28, 1926-31) - Manual of Meteorology
- Humphreys (1920) - Physics of the Air
- Brunt (1928) - Meteorology
- Kimball et al. (1931) – Meteorology
- Blair & Fite (1937, 1942, 1948, 1957) - Weather Elements (4th Ed)
- Petterssen (1941) - Introduction to Meteorology
- Malone (ed.) (1951) - Compendium of Meteorology (under construction)
- Tverskoi (trans. by Sen & Sen, 1965) - Physics of the Atmosphere - A Course in Meteorology
- Riehl (1965) - Introduction to the Atmosphere
- **Barry & Chorley (1968, 1971, 1976, 1982, 1987, 1992, 1998, 2003) - Atmosphere, Weather and Climate(8th Ed.)**
- **Calder (1974, 1977) - The Weather Machine**
- **Houghton (1976, 1986, 2002) - The Physics of Atmospheres (3rd Ed.)**
- Battan (1979) - Fundamentals of Meteorology
- **Moran & Morgan (1986, 1989, 1991, 1994, 1997) - Meteorology**
- Salby (1996) - Fundamentals of Atmospheric Physics
- [Prawirowardoyo \(1996\) - Meteorologi](#)
- **Andrews (2000) - An Introduction to Atmospheric Physics (1st ed)**
- Johnson & Houze (Eds) (2003) - A Half Century of Progress in Meteorology
- Holton, Curry & Pyle (eds) (2003) - Encyclopedia of Atmospheric Sciences
- **Wallace & Hobbs (2006) - Atmospheric Science: An Introductory Survey (2nd ed)**

## Dynamics

- Bjerknes & Collaborators (1910, 1911)- Dynamic Meteorology and Hydrography
- Lamb (1916) - Hydrodynamics (4th Ed.)
- Brunt (1939, 1952) - Physical and Dynamical Meteorology (2nd Ed.) (under construction)
- Vennard (1940) - Elementary Fluid Mechanics
- Haurwitz (1941) - Dynamic Meteorology (pp.36-37 lacked)
- Holmboe et al. (1945) - Dynamic Meteorology
- Batchelor (1953, 1959) - The Theory of Homogeneous Turbulence
- Townsend (1956, 1976) - The Structure of Turbulent Shear Flow (2nd Ed)
- Scorer (1958, 1978, 1997) - Dynamics of Meteorology and Climate (3rd Ed)
- Landau & Lifshitz (1959) - Fluid Mechanics
- Eckart (1960) - Hydrodynamics of Oceans and Atmospheres
- Phillips (1966, 1977) - The Dynamics of the Upper Ocean (2nd Ed)
- Froissart (ed) (1970) - Hyperbolic Equations and Waves: Battelle Seattle 1968 Recontres

## Yamanaka's LIBRARY (cont.)

### Dynamics (cont.)

- Tolstoy (1973) - Wave Propagation (Chapters 1-4 only)
- Morel (ed.) (1973) - Dynamic Meteorology (under construction)
- Turner (1973) - Buoyancy Effects in Fluids
- Whitham (1974) - Linear and Nonlinear Waves
- Holton (1975) - The Dynamic Meteorology of the Stratosphere and Mesosphere (Meteorological Monographs, vol.15, No.37)
- Lighthill (1978) - Waves in Fluids
- Drazin & Reid (1981) - Hydrodynamic Stability (under construction)
- **Gill (1982) - Atmosphere-Ocean Dynamics**
- Pedlosky (1986) - Geophysical Fluid Dynamics (2nd ed.)
- Monin (1990) - Theoretical Geophysical Fluid Dynamics (trans. by Hardin)
- Lindzen (1990) - Dynamics in Atmospheric Physics
- Brown (1991) - Fluid Mechanics of the Atmosphere
- Cushman-Roisin (1994) - Introduction to Geophysical Fluid Dynamics
- Baines (1995) - Topographic Effects in Stratified Flows
- Plate, Fedorovich, Viegas & Wyngaard (Eds) (1997) - Buoyant Convection in Geophysical Flows (NATO ASI Series-C 513)
- Salmon (1998) - Lectures on Geophysical Fluid Dynamics
- Green (1999) - Atmospheric Dynamics (Cambridge Atmospheric and Space Science Series)
- Mathieu & Scott (2000) - An Introduction to Turbulent Flow
- Temam & Miranville (2001) - Mathematical Modeling in Continuum Mechanics
- Tsonis (2002) - An Introduction to Atmospheric Thermodynamics
- Pedlosky (2003) - Waves in the Ocean and Atmosphere - Introduction to Wave Dynamics
- **Kato, Hadi & Wiratmo (1998) - Dinamika Atmosfer**
- Holton (2004) - An Introduction to Dynamic Meteorology (4th ed.)
- ZdunkowskiBott (2004) - Thermodynamics of the Atmosphere
- Fedorovich, Rotunno & Stevens (2004) - Atmospheric Turbulence and Mesoscale Meteorology: Scientific Research Inspired by Doug Lilly
- Thorpe (2005) - The Turbulent Ocean
- Pratt & Whitehead (2007) - Rotating Hydraulics: Nonlinear Topographic Effects in the Ocean and Atmosphere (Atmospheric and Oceanic Sciences Library 36)
- **Marshall & Plumb (2008) - Atmosphere, Ocean, and Climate Dynamics: An Introductory Text**
- Szunyogh (2015) - Applicable Atmospheric Dynamics

### Atmospheric Boundary Layers

- Panofsky & Dutton (1984) - Atmospheric Turbulence: Models and Methods for Engineering Applications
- Arya (1988) - Introduction to Micrometeorology (International Geophysics Series 42)
- **Stull (1988) - An Introduction to Boundary Layer Meteorology (Atmospheric Sciences Library 13)**
- Plate, Fedorovich, Viegas & Wyngaard (Eds) (1997) - Buoyant Convection in Geophysical Flows (NATO ASI Series-C 513)
- Csanady (2001) - Air-Sea Interaction: Laws and Mechanisms
- Lee, Massman & Law (2004) - Handbook of Micrometeorology: A Guide for Surface Flux Measurement and Analysis

# Yamanaka's LIBRARY (cont.)

## Mesoscales and Clouds

- Johnson (1954) - Physical Meteorology
- Scorer (1958, 1978, 1997) - Dynamics of Meteorology and Climate (3rd Ed)
- Mason (1962, 1975) - Clouds, Rain and Rainmaking (2nd Ed)
- Pruppacher & Klett (1978, 1997) - Microphysics of Clouds and Precipitation (2nd Ed.) (Atmospheric and Oceanic Sciences Library 18)
- Theon, Matsuno, Sakata & Fugono (eds) (1992) - The Global Role of Tropical Rainfall: Proceeding of the International Symposium on Aqua and Planet
- **Houze (1993) - Cloud Dynamics**
- Emanuel (1994) - Atmospheric Convection
- Baines (1995) - Topographic Effects in Stratified Flows
- Hobbs (2000) - Introduction to Atmospheric Chemistry
- Fedorovich, Rotunno & Stevens (2004) - Atmospheric Turbulence and Mesoscale Meteorology: Scientific Research Inspired by Doug Lilly
- Lin (2007) - Mesoscale Dynamics (under construction)

## Tropics

- US Navy Weather Research Facility (1967) - Proceedings of the Working Panel on Tropical Dynamic Meteorolog
- Hastenrath (1985, 1991) - Climate Dynamics of Tropics (Updated Edition) (Atmospheric and Oceanic Sciences Library 8)
- Philander (1990) - El Niño, La Niña and the Southern Oscillation (International Geophysics Series 46)
- Glantz et al. (eds) (1991) - Teleconnections Linking Worldwide Climate Anomalies
- Theon, Matsuno, Sakata & Fugono (eds) (1992) - The Global Role of Tropical Rainfall: Proceeding of the International Symposium on Aqua and Planet
- Diaz & Markgraf (2000) - El Niño and the Southern Oscillation
- Glantz (2001) - Currents of Change: Impacts of El Niño and La Niña on Climate and Society(2nd Ed.)
- Tao & Adler (eds) (2003) - Cloud Systems, Hurricanes and the Tropical Rainfall Measurement Mission (TRMM)
- Wang (ed) (2006) - The Asian Monsoon
- Clarke (2008) - An Introdoction to the Dynamics of El Niño & the Southern Oscillation
- Saha (2010) - Tropical Circulation Systems and Monsoons
- Lau & Waliser (eds) (2010) - Intraseasonal Variabilities in Atmosphere-Ocean Climate System (2nd Ed)

## Observations and ExperimentalTechnology

- Atlas (ed) (1990) - Radar in Meteorology: Battan Memorial and 40th Anniversary Radar Meteorology Conference
- Sauvagcot (1992) - Radar Meteorology
- Theon, Matsuno, Sakata & Fugono (eds) (1992) - The Global Role of Tropical Rainfall: Proceeding of the International Symposium on Aqua and Planet
- Yajima et al. (2009) - Scientific Ballooning
- Rinehart (2010) - Radar for Meteorologists (5th ed.) [HP with original images]
- Bech & Chau (2012) - Doppler Radar Observations - Weather Radar, Wind Profiler, Ionospheric Radar, and Other Advanced Applications
- **Fukao & Hamazu (2014) - Radar for Meteorological and Atmospheric Observations**

# Yamanaka's LIBRARY (cont.)

## Asia

- Wallace (1869) - The Malay Archipelago [Papuaweb]
- Loeb (1935, 1972, 1989) - Sumatra: Its History and People (Oxford reprinted version; pp.319-320,329-330 lacked)
- Das (1968, 1988, 1995)- The Monsoons
- Fukui (ed) (1977) - The Climate of Japan
- Lubis (1979, 1987, 1990) - Indonesia: Land under the Rainbow (self-translated Oxford version)
- **Winchester (2003) - Krakatoa: The Day the World Exploded**
- Cochrane (ed) (2009) - Tropical Fire Ecology
- Klingaman & Klingaman (2013) - The Year without Summer
- Widagdo & Sawano (eds) (2013) - River Management in Indonesia

## History of Meteorology

- Nebeker (1995) - Calculating the Weather: Meteorology in the 20th Century (International Geophysics Series 60)

## Circulations and Prediction

- Namias (Stone ed.) (1934, 1935, 1936, 1938, 1940) - An Introduction to the Study of Air Mass and Isentropic Analysis (5th Ed)
- Palmén & Newton (1969) - Atmospheric Circulation Systems (International Geophysics Series 13)
- Newton & Holopainen (Eds) (1990) - Extratropical Cyclones: The Erik Palmén Memorial Volume
- James (1994) - Introduction to Circulating Atmosphere (Cambridge Atmospheric and Space Science Series)
- Woods (2006) - Medium-Range Weather Prediction: The European Approach
- Lackmann (2011, 2012) - Midlatitude Synoptic Meteorology: Dynamics, Analysis, and Forecasting (Reprinted with Corrections)
- JMA (2013) - Outline of the Operational Numerical Weather Prediction at the Japan Meteorological Agency

## Climate and Environment

- Palmen & Newton (1969) - Atmospheric Circulation Systems (under construction)
- Fukui (ed) (1977) - The Climate of Japan
- Herman & Goldberg (1978, 1985) - Sun, Weather, and Climate (NASA SP-426)
- Goudie (1984, 1989, 1993, 2001) - The Nature of the Environment(4th Ed)
- Philander (1990) - El Niño, La Niña and the Southern Oscillation (International Geophysics Series 46)
- Glantz et al. (eds) (1991) - Teleconnections Linking Worldwide Climate Anomalies
- Peixoto & Oort (1992) - Physics of Climate
- **Tjasyono (1992) - Klimatologi Terapan**
- **Hartmann (1994) - Global Physical Climatology**
- **Houghton (1994, 1997, 2004) - Global Warming: The Complete Briefing**
- Walker et al. (Eds) (1999) - The Terrestrial Biosphere and Global Change: Implications for Natural and Managed Ecosystems (IGBP Series 4)
- van Dam (Ed) (1999) - Impacts of Climate Change and Climate Variability on Hydrological Regimes (International Hydrology Series)
- Diaz & Markgraf (2000) - El Niño and the Southern Oscillation
- Huber, MacLeod & Wing (eds) (2000) - Warm Climates in Earth History
- Barry & Carleton (2001) - Synoptic and Dynamic Climatology
- Glantz (2001) - Currents of Change: Impacts of El Niño and La Niña on Climate and Society(2nd Ed.)

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## Climate and Environment (cont.)

- O'Neill, MacKellar & Lutz (2001) - Population and Climate Change
- Burroughs (2001) - Climate Change - A Multidisciplinary Approach
- Schulze et al. (eds) (2001) - Global Biogeochemical Cycles in the Climate System
- Bengtsson & Hammer (eds) (2001) - Geosphere-Biosphere Interactions and Climate
- Saltzman (2002) - Dynamical Paleoclimatology
- **WMO (2003) - Climate into the 21st Century**
- Issar (2003) - Climate Changes during the Holocene and their Impact on Hydrological Systems (International Hydrology Series)
- Alverson, Bradley & Pedersen (Eds) (2003) - Paleoclimate, Global Change and the Future
- Hardy (2004) - Climate Change: Causes, Effects, and Solutions [pdfbook] (Figs. 9.5 & 10.2 omitted in e-book, added by personal copy)
- Oliver (2005) - Encyclopedia of World Climatology
- Jewson, Brix & Ziehmann (2005) - Weather Derivative Valuation: The Meteorological, Statistical, Financial and Mathematical Foundations
- Woods (2006) - Medium-Range Weather Prediction: The European Approach
- Gornitz (ed) (2009) - Encyclopedia of Paleoclimatology and Ancient Environments

## Hydrology

- van Dam (Ed) (1999) - Impacts of Climate Change and Climate Variability on Hydrological Regimes (International Hydrology Series)
- Issar (2003) - Climate Changes during the Holocene and their Impact on Hydrological Systems (International Hydrology Series)
- Sorooshian et al. (eds) (2008) - Hydrological Modelling and the Water Cycle
- Rakhecha & Singh (2009) - Applied Hydrometeorology
- Likens (ed) (2009) - Encyclopedia of Inland Waters [ Elsevier]
- Sene (2010) - Hydrometeorology: Forecasting and Applications
- Taniguchi (ed) (2011) - Groundwater and Subsurface Environments

## Oceanography

- Phillips (1966, 1977) - The Dynamics of the Upper Ocean (2nd Ed)
- Apel (1987) - Principles of Ocean Physics (International Geophysics Series 38)
- Philander (1990) - El Niño, La Niña and the Southern Oscillation (International Geophysics Series 46)
- Glantz et al. (eds) (1991) - Teleconnections Linking Worldwide Climate Anomalies
- Diaz & Markgraf (2000) - El Niño and the Southern Oscillation
- Glantz (2001) - Currents of Change: Impacts of El Niño and La Niña on Climate and Society(2nd Ed.)
- Csanady (2001) - Air-Sea Interaction: Laws and Mechanisms
- Steele, Trekian & Thorpe (eds) (2005) - Encyclopedia of Ocean Sciences (2nd ed) [ Elsevier]
- Schwartz (ed) (2005) - Encyclopedia of Coastal Science
- Thorpe (2005) - The Turbulent Ocean
- Jochum & Murtugudde (eds) (2006) - Physical Oceanography: Development since 1950

## Yamanaka's LIBRARY (cont.)

### Middle and Upper Atmospheres

- Johnson (1954) - Physical Meteorology
- Ratcliffe (ed) (1960) - Physics of the Upper Atmosphere
- Holton (1975) - The Dynamic Meteorology of the Stratosphere and Mesosphere (Meteorological Monographs, vol.15, No.37)
- Kato (1980) - Dynamics of the Upper Atmosphere
- Andrews, Holton & Leovy (1987) - Middle Atmosphere Dynamics
- Rees (1989) - Physics and Chemistry of the Upper Atmosphere (Cambridge Atmospheric and Space Science Series)
- Kelley (1989) - The Earth's Ionosphere (International Geophysics Series 43)
- Kato, Hadi & Wiratmo (1998) - Dinamika Atmosfer
- Brasseur & Solomon (2005) - Aernomy of Middle Atmosphere (3rd ed)
- Mohanakumar (2008) - Stratosphere Troposphere Interactions
- Yajima et al. (2009) - Scientific Ballooning

### Planets and Space

- Eddington (1926) - The Internal Constitution of the Stars (under construction)
- Lewis & Prinn (1984) - Planets and Their Atmospheres: Origin and Evolution (International Geophysics Series 33)
- Yajima et al. (2009) - Scientific Ballooning

### Others

- Goldstein (1950, 1980, 2000) - Classical Mechanics (3rd Ed)
- Born & Wolf (1959, 1962, 1965, 1970) - Principles of Optics (4th Ed)
- Feynman, Leighton & Sands (1963, 2006, 2010) - The Feynman Lectures on Physics
- Abramowitz & Stegun (eds) (1964, 1972): Handbook of Mathematical Functions
- Froissart (ed) (1970) - Hyperbolic Equations and Waves: Battelle Seattle 1968 Recontres
- Reid (ed) (1971) - Mathematical Problems in the Geophysical Sciences: Inverse Problems, Dynamo Theory and Tides
- Olver (1974) - Asymptotics and Special Functions
- Kinder and Hilgemann (1978) - The Anchor Atlas of World History
- **Goudie (1984, 1989, 1993, 2001) - The Nature of the Environment(4th Ed)**
- Thiébaux (1994) - Statistical Data Analysis for Ocean and Atmospheric Sciences
- **Diamond (1997, 1998, 2005) - Guns, Germs and Steel - A Short History of Everybody for the Last 13,000 Years**
- Jensen (1998) - Self-Organized Criticality: Emergent Complex Behavior in Physical and Biological Systems
- Walker et al. (Eds) (1999) - The Terrestrial Biosphere and Global Change: Implications for Natural and Managed Ecosystems (IGBP Series 4)
- Bengtsson & Hammer (Eds) (2001) - Geosphere-Biosphere Interactions and Climate
- Winchester (2003) - Krakatoa: The Day the World Exploded
- Jewson, Brix & Ziehmann (2005) - Weather Derivative Valuation: The Meteorological, Statistical, Financial and Mathematical Foundations
- Diamond (2005, 2006, 2011) - Collapse - How Societies Choose to Fail or Succeed (Penguin new edition)
- Diamond (2012) - The World until Yesterday - What Can We Learn from Traditional Societies?