Program for AGU Chapman Conference on the West Antarctic Ice Sheet

POSTERS

3.	Albert	Two Models for Snow and Firn Ventilation: One Detailed, One Simple
9.	Bauer and Scharfen	Advantages of developing and using metadata for Antarctic research
11.	Bentley and Stenoien	Ice Motion Measurements in the Pine Island Glacier Catchment Area
18.	Bridges and others	Preliminary Geochemical Analysis of an Ice Core from the Upper Section of Ice Stream C
22.	Catania and Paola	A Physical Model of Pressurized Flow Over an Unconsolidated Bed: Implications for Subglacial Braided Channels.
35.	Gray and others	Ice Motion in West Antarctica from RADARSAT Interferometry
36.	Grosfeld and Gerdes	Ocean Circulation in the Filchner-Ronne Ice Shelf Domain: First Results of a -Dimensional Ocean Model
54.	Lingle and Kwok	Surface Velocities and Mass Balance in the Thwaites and Pine Island Glacier Drainage Basins, West Antarctica
55.	Liu and others	Water flow at the bed of ice stream B2 possibly sensed by radar survey
56.	MacAyeal and Hulbe	EISMINT Validation of a New Numerical Model of Ice Sheet Flow
57.	McConnell and Bales	Understanding Atmosphere-to-Snow-to-Firn Transfer of Hydrogen Peroxide at Siple Dome
58.	Molzer and others	Three Dimensional Stratigraphic Modeling of Glaciated Continental Shelves
61.	Nicholls and others	Oceanographic Conditions on the Southwestern Weddell Sea Continental Shelf in Early 1998.
62.	Oerter	Summary of Mass Balance Studies on Moellereisstrom and Foundation Ice Stream, Filchner-Ronne-Schelfeis, Since 1980
66.	Raymond and others	Current Mass Balance of Siple Dome Summit and Implications for the Balance of Ice Streams C and D Over the Last 1000 years.
71.	Rosanova and Lucchitta	Thwaites Glacier Velocities and Strain Field using 1995 and 1996 ERS images
73.	Scambos and others	Change Detection and Flow History for the Filchner/Ronne Ice Shelf
79.	Shen	Stratigraphic Modeling of Glaciated Continental Shelves: Effects of Local Bathymetry
81.	Shuman	Temperature History Reconstruction at Siple Dome from Satellite Observations and Automatic Weather Stations

85.	Stone and others	Exposure dating constraints on ice volume and retreat history in East Antarctica, and prospects in West Antarctica
86.	Studinger and others	Geologic Structures Underlying the Onset of West Antarctic Ice Streams: Constraints from Airborne Geophysical Data
88.	Thorsteinsson and Raymond	The Relative Role of Sliding and Deformation in the Motion of Ice Streams Over Deformable Till
93.	Villinski and others	Ages and compositions of mixtures of organic compounds extractable from Ross Sea sediments
97.	Winebrenner and others	Accumulation Rates in Source Regoins of the Siple Coast Ice Streams from Satellite Microwave and In Situ Observations
98.	Wood and Jenkins	A Two-Layer Model of the Thermohaline Circulation Beneath an Ice Shelf

MORE POSTERS

38.	Harrison and others	Installation of Vertical Strain Meters at Siple Dome and Preliminary Results
52.	Le Meur and Hindmarsh	Inferring the present-day imbalance of the West Antarctic ice sheet from the bedrock isostatic signal.
68.	Reusch and Hughes	Basal Conditions Along Byrd Glacier
77.	Shabtaie and Bentley	Near-surface acidity on and around the Ross Ice Shelf from absolute conductivity measurements
83.	Spikes and Whillans	Validation of SOAR Laser Altimetry
90.	Van der Veen	Fracture Mechanics Approach to Investigating Conditions Leading to Ice-Shelf Break-Up
91.	Vaughan and Doake	Distortion of Cotemporal Layers in Ice Revealed by Ground Penetrating Radar
94.	Waddington and others	Stratigrapic and Thermal Signatures of Ice Divides: Tools to Date Postglacial WAIS Recession
96.	Willis and Young	A comparison of Satellite RADAR Alitimeter Derived Snow Surfaces and Elevations Derived from Ground Truth Surveys
12.	Bentley	ICESat: Ground Truth for the WAIS from Space
67.	Raymond and others	The Role of Geodesy in Assessing the State of the West Antarctic Ice Sheet
75.	Scofield and others	The Flow Regime of Byrd Glacier

ORALS

Panel #1

74.	Scherer	Pleistocene Collapse of the West Antarctic Ice Sheet Confirmed, and Deep Till Deformation at Upstream B Questioned
26.	Dunbar and others	Direct Dating and Geochemical Correlations of Englacial Tephra Layers at two Sites in West Antarctica
1.	Ackert and others	Antarctic Ice Sheet Chronology: Reconstructions Using Surface Exposure Dating

16.	Borns and others	Evidence for Thicker Ice in Interior West Antarctica
8.	Bartek and others	Evidence of Variation in Ice Sheet / Substrate Interactions in a Multi-Scale Investigation of Glaciated Continental Margins in the Ross Sea and Offshore Marie Byrd Land, Antarctica.
53.	Licht and Fastook	Constraining a Numerical Ice Sheet Model with Geologic Data Over One Ice Sheet Advance/Retreat Cycle in the Ross Sea
102.	Hall and Denton	Deglacial Chronology of the Western Ross Sea from Terrestrial Data

Panel #2

19.	Burckle	Sticking my Neck out; Part 1; Living on the Curve; A Farfield View of Melting Ice Sheets
87.	Taylor	Was the breakup of the West Antarctic Ice Shelves a Trigger for Dangaard/Oeschger Cycles?
84.	Steig and White	Comparisons among Antarctic and Greenland Ice Cores and Relationship to Ocean and Atmosheric Circulation and Ice Dynamics
49.	Kellogg	Holocene Transformation of the 'Weak Underbelly' From an Innie to an Outie? Evidence From the Amundsen Sea Shelf
20.	Burckle	Sticking my Neck out; Part 2; A Funny Thing Happened on the way to the Last Interglacial. Was it Drawdown of the West Antarctic Ice Sheet?
21.	Burckle	Sticking my Neck out; Part 3; Apparent Late Holocene Migration of the Polar Front in Some Sectors of the Southern Ocean
4.	Alley and Clark	A Bipolar Perspective on Global Climate Change: Implications for WAISCORES

Panel #3

34.	Gow and others	Ice Cores from Siple Dome
100.	Gow and Messe	Preliminary Analyses of Ice Cores from Siple Dome, West Antarctica
51.	Kreutz and others	Sea Level Pressure Variability in the Amundsen Sea Over the Past Century Inferred From a West Antarctic Glaciochemical Record
2.	Albert	Properties and Processes of Air-Snow-Firn Exchange at Siple Dome, Antarctica
17.	Braaten	Direct Measurements of Episodic Snow Accumulation on the Antarctic Polar Plateau

Panel #4

46.	Jacobs	Ice Shelves and Southern Ocean Ventilation
47.	Jenkins and Jacobs	Circulation Beneath Ice Shelves Simulated by an Isopycnic Coordinate Ocean Model
50.	Khazendar and Jenkins	The Formation of Marine Ice Within Rifts and its Implications for Ice Shelf Stability
41.	Hughes and Fastook	Linking Antarctic Ice Sheet Stability to the Basal Mass Balance

42.	Hulbe and MacAyeal	The Effect of Ice Shelf Disintegration on the Mass Balance of the West Antarctic Ice Sheet

Panel #5

32.	Ferrigno and others	Analysis of Coastal Change in Marie Byrd Land and Ellsworth Land, West Antarctica, Using Landsat Imagery
72.	Sandhager and others	Thematic Maps of Filchner-Ronne Schelfeis: Ice Thickness, Surface Features, and Extent
10.	Behrendt and others	Changes in the Filchner-Ronne Ice Shelf Since 1957
7.	Bamber and Vaughan	Historic Flow Features on the Ross and Filchner Ronne Ice Shelves From Satellite Radar Altimetry
30.	Fahnestock and others	A Millennium of Variable Ice Discharge From the Siple Coast Ice Streams Recorded on the Ross Ice Shelf
45.	Jacobel and others	Changes in Outlet Geometry of Ice Streams in the Ross Embayment
69.	Rignot	Fast Recession of Pine Island Glacier, West Antarctica
70.	Rignot	Mass Balance and Grounding Line Stability of Antarctic Glaciers Draining the West Antarctic Ice Sheet into the Ronne Ice Shelf, Antarctica.

Panel #6

33.	Gades and others	Basal Properties of Siple Dome, West Antarctica Inferred from Radio Echo-Sounding Measurements
28.	Engelhardt and Kamb	Thermal History of the West Antarctic Ice Sheet
23.	Conway	Glacial History of Roosevelt Island, West Antarctica
60.	Nereson	Elevation of Ice Stream Margin Scars after Stagnation
95.	Whillans and Hamilton	ather Strange, Hook-Shaped Feature on Interstream Ridge B1/B2, West Antarctica
76.	Shabtaie and Bentley	Comparison of "wildcat" interpretations of ice-sheet surface features from satellite imagery with geophysical observations and glaciological principles
44.	Jackson and others	Dynamics of the Shear Margin of Ice Stream B
31.	Fastook	Heat Generation in the Shear Margin: A Finite-Element Model

Panel #7

24.	Corr and others	Reconnaissance Airborne Survey in the Pine Island Glacier Basin
25.	Corr and others	Basal Characteristics of the Rutford Ice Stream / Carlson Inlet Catchment Area Inferred from Airborne Ice-Sounding Radar
101.	Smith	Rutford Ice Stream and Carlson Inlet: Basal Conditions on Adjacent Active and Stagnant Ice Streams, and the Intervening Ice Sheet
14.	Blankenship and others	Geologic controls on subglacial melting in West Antarctica: a systematic evaluation of integrated aerogeophysical observations
13.	Bindschadler and others	The Onset of Ice Stream D, West Antarctica

65.	Price and Whillans	Upstream Migration of the Northern Shear Margin of Ice Stream B1b, West Antarctica

Panel #8

59.	Morse and others	Driving stress and basal hydrologic potential of central West Antarctica
64.	Peters and others	Basal Conditions of Ice Streams B and C From Coherent Airborne Radar Sounding
80.	Shipp and Anderson	Results From Recent Seismic Investigaions of Ross Sea; Details of the Subglacial System
48.	Kamb and Englehardt	Physical Conditions and Processes Responsible for West Antarctic Ice Stream Flow as Revealed by Borehole Observations in Ice Stream B and C and in Interstream Ridges B1-B2 and C-D
89.	Tulaczyk and Kamb	Stability and Evolution of an Ice Stream Moving Over a Till Bed of Plastic Rheology: A New Ice-Stream Model Incorporating Non-Linear Dynamics of the Coupled Ice-Till-Water System

Panel #9

29.	Engelhardt and Kamb	Sticky Spot on Ice Stream C.
5.	Anandakrishnan and Alley	Review of Seismic Studies on Ice Stream C, West Antarctica, and Hypotheses for its Stagnation.
82.	Smith and others	Ground-Based Radar Study of the Stagnation of Ice Stream C and the Siple Ice Stream, West Antarctica
15.	Bohlander and Scambos	Ice Streams D and F: Flow Dynamics and Changes

Panel #10

78.	Shabtaie and Bentley	Negative mass balance of ice streams D and E, West Antarctica
92.	Vaughan and others	Drainage Basin Analysis and Improved Calculation of Balance Fluxes for West Antarctic Ice Streams and Glaciers
99.	Wingham and Mansley	Recent Elevation Change in West Antarctica
37.	Hamilton and Whillans	Thickness Changes on Ice Streams B and C, West Antarctica
40.	Hughes	What's Going On in West Antarctica?

Panel #11

27.	Dupont and Alley	Ice Stream Evolution on a Millennial Time Scale
39.	Hindmarsh	Ice-Stream Waves and Surface Texture and Meso-Scale Variability: the Coupled Flow of Ice, Till and Water.
63.	Payne and Baldwin	The Role of Thermomechanics in Ice-Stream Evolution
6.	Baldwin and Payne	A Coupled Ice Sheet - Ice Stream Model
43.	Hulbe and others	A New Numerical Model of Coupled Inland, Ice Stream, and Ice Shelf Flow