

Reports  
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Final Report - NCC 2-327

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Final Report for NASA-Ames Research Center  
Cooperative Agreement Aerospace Human Factors (NCC 2-327)  
with the Psychology Department, San Jose State University

Kevin Jordan, Professor and Project Director  
Department of Psychology  
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San Jose, CA 95192

November 1, 1984 to January 31, 1999

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The Technical Monitor for the Cooperative Agreement is Dr. R. Key Dismukes, Senior Staff Scientist, Flight Management and Human Factors Division, NASA-Ames Research Center, Moffett Field, CA 94035

## Aerospace Human Factors

The following contains the final report on the activities related to the Cooperative Agreement between the human factors research group at NASA Ames Research Center and the Psychology Department at San Jose State University (NCC 2-327). The participating NASA Ames division has been, as the organization has changed, the Aerospace Human Factors Research Division (ASHFRD and Code FL), the Flight Management and Human Factors Research Division (Code AF), and the Human Factors Research and Technology Division (Code IH). The inclusive dates for the report are November 1, 1984 to January 31, 1999. Dr. Jordan, currently a Professor of Psychology at San Jose State University and the Project Director, initiated the agreement in 1984 with Dr. Walter T. Plant. Dr. Plant retired from all grant activities on June 1, 1985. Dr. Jordan was Project Director from that date forward. The Technical Monitors for the cooperative agreement have been Drs. David Nagel (1984- 1987), Michael Shafto (1987-1993), and R. Key Dismukes (1993-1999).

Throughout the years, approximately 170 persons worked on the cooperative agreements in one capacity or another. The Cooperative Agreement provided for research personnel to collaborate with senior scientists in ongoing NASA ARC research. As the list details, 72 of these research personnel received the MA or MS degree at San Jose State University. There were some upper-division undergraduates who participated in the agreement. Finally, many post-MA/MS and post-doctoral personnel contributed to the projects. It is worth noting that 10 former cooperative agreement personnel were hired into civil service positions directly from the agreements. The following is a list of the Cooperative Agreement personnel during the period covered by this report:

### Project Director

Kevin Jordan (Ph.D., Kansas State University)  
Walter T. Plant (Ph.D., Stanford University; retired June 1, 1985)

### Research Advisers

Robert Cooper (Ph.D., University of Minnesota)  
Rose Ginsberg (Ph.D., University of Indiana)  
Laree Huntsman (Ph.D., University of Wisconsin)

### Project Personnel

Jonathan Abel (Ph.D.)  
Dorothea Acomb (MA, SJSU)  
Will Aiken (MA, UC-Santa Cruz)  
Ramon Alarcon (MS, Stanford)  
Inna Aleksandrovsky (Ph.D. candidate, UC- Berkeley)  
Anthony Andre (Ph.D., U of Illinois)  
Lola Arnold (MA, SJSU)  
Mikel Atkins (MS, Embry-Riddle)  
Sue Atkinson (MA, SJSU)

Cindy Awe (MA, SJSU)  
Eric Barrett (BS candidate, Stanford)  
Kristin Bauersfeld (MA, SJSU)  
Bettina Beard (Ph.D.)  
Durand Begault (Ph.D., UC-San Diego)  
Sean Belcher (MA, SJSU)  
Lori Bernstein (Ph.D.)  
Brent Beutter (Ph.D., UC-Berkeley)  
Alison Bianchi (MA, SJSU; Ph.D. candidate, Stanford)  
Sheila (Holland) Bochow (MA, SJSU)  
Philippa (Gander) Boy (Ph.D.,  
Connie (Williams) Brasil (MA, SJSU)  
Paula Bray (BA, SJSU)  
Francois Breant (Ph.D.)  
William Briggs (BS, SJSU)  
Mark Burdick (MA, U of Illinois, Chicago)  
Jack Calderone (MA, SJSU)  
Antonio Carvalhais (Ph.D., U of Connecticut)  
Patricia Cashion (MA, SJSU)  
Kelvin Chan (MS, SJSU)  
William Chan (MA, SJSU)  
Rebecca Chute (MA, SJSU)  
Lynn Cole (MS, SJSU)  
Kim Coleman  
Heidi Colenso (MA candidate, SJSU)  
Linda Connell (MA, SJSU)  
Joelle Cowan  
Barry Crane (MA, SJSU)  
Donna Davilla (MA, SJSU)  
Deborah Davis (MA, SJSU)  
Jeannie Davison (MA, SJSU)  
Asaf Degani (Ph.D., Georgia Tech)  
Susanne Delzell (MA, SJSU)  
Adeh DeSandies (BA, Stanford)  
Melisa Dunbar (MA, SJSU)  
Miquel Eckstein (Ph.D.)  
Robert Edmiston (MA, SJSU)  
Sheryl Ehrlich (Ph.D. candidate, UC-Berkeley)  
Peter English (MA, SJSU)  
Georgianna Evan (MS candidate, SJSU)  
Ute Fischer (Ph.D.)  
Tim Floyd (MA, SJSU)  
Michael Freed (Ph.D., Northwestern U)  
Kathy Fugitt (MA, SJSU)  
Allen Gale (BS, SJSU)

Miri Gold (MS)  
Allen Goodman (MA, SJSU)  
David Graeber (MS, SJSU; Ph.D. candidate, U of Central Florida)  
Kristin Greenwood  
Steven Gregorich (Ph.D., U of Texas)  
Keri Haars (MA, SJSU; Ph.D. candidate, U of Missouri, Kansas City)  
Elizabeth Hackett (MA, SJSU)  
Paul Hatalsky  
Andy Hayes (BA, SJSU)  
Michael Hazelrig (BS candidate, U of Virginia)  
Darren Heinrichsen  
Wallace Henry (MS, CSU-Hayward)  
Stephanie Hinz (MA, SJSU)  
Tim Hogan (MA, SJSU)  
Laree Huntsman (MA, SJSU; Ph.D., U of Wisconsin-Milwaukee)  
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Kimberly Jobe (MA, SJSU)  
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Karen Jones (MS candidate, SJSU)  
Teresa King (MS, SJSU)  
Alex Kirlik (Ph.D.)  
Abby Lack  
Kevin Lai  
Fidel Lam (BA, SJSU; MA candidate, SJSU – deceased)  
Brian Lathrop (BA, SJSU; Ph.D. candidate, UC-Santa Cruz)  
Irene Laudeman (BA, SJSU; Ph.D., UC-Berkeley)  
Jason Lawrence (MA, SJSU)  
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Jonathan Levy (Ph.D., UC-San Diego)  
Shawn Lewis (BS candidate, SJSU)  
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Christopher Livingston  
Elizabeth Logsdon (MA, SJSU)  
Sandy Lozito (MA, SJSU)  
Jean Lynch (MA, SJSU)  
Margaret Mackintosh (MA, SJSU)  
St. John Maloney (MA, SJSU)  
David Marcarian (MA, SJSU)  
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Jeffrey McCandless (Ph.D., UC-Berkeley)  
Robert McCann (Ph.D., U of Waterloo)  
Lori McDonnell (MA, SJSU)  
Alison McGann (MS, Stanford)  
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Stephen Shelden (MA, SJSU)  
Paul Sherman  
Karl Simmons  
Christopher Sloan  
Steve Smith (MA, SJSU)  
Janeen Smith  
Doug Smith  
Roy Smith  
Nancy Smith (MS, SJSU)  
Bonita Soong (BA, SJSU)  
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Felix Sterling (MA, SJSU)  
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 Richard Tarrell  
 Michael Tepin (MA, SJSU; Ph.D., Iowa State)  
 Laura Tran (MS, SJSU)  
 Steven Tse (MS candidate, SJSU)  
 Sherman Tsien (MA, SJSU; Ph.D., U of Illinois)  
 David Tu (MS, SJSU)  
 Christina VanAken (MA, SJSU; Ph.D. candidate, UC-Berkeley)  
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 Michael Wich (MA, SJSU)  
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 Phillip Winston (BA, CSU-Hayward)  
 Anthony Wolfram (MS candidate, SJSU)  
 Diane Wood (MS, SJSU)  
 Wayne Wood (MA, SJSU)  
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#### **REFERENCES TO WORK PUBLISHED OR PRESENTED BY COOPERATIVE AGREEMENT PERSONNEL**

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