

HOFSTRA CULTURAL CENTER

presents

From Autogiro to Gyroplane: *The Past, Present and Future of an Aviation Industry*

Friday and Saturday
April 25 and 26, 2003

Conference Director:

Bruce H. Charnov

Associate Professor of Management

Chair, Department of Management, Entrepreneurship and General Business

Frank G. Zarb School of Business

Hofstra University

Conference Coordinator:

Deborah Lom

Assistant Director for Conferences

and Special Events

Hofstra Cultural Center



REGISTRATION PROGRAM



HOFSTRA UNIVERSITY

HEMPSTEAD, NEW YORK 11549

Pitcairn PCA-2 Certification flight over George Washington Bridge (under construction) November, 1930. Courtesy of Stephen Pitcairn.

In cooperation with:

Frank G. Zarb School of Business, Hofstra University
Smithsonian National Air and Space Museum (NASM)
Experimental Aircraft Association (EAA)
Popular Rotorcraft Association (PRA)
American Helicopter Museum & Education Center
Cradle of Aviation Museum

Industry Supporters:

Jesse Davidson Aviation Archives
Groen Brothers Aviation, Inc.
CarterCopters, LLC
Sport Copter USA
Little Wing Autogyro
Rotary Air Force Marketing Inc. (Canada)
MagniGYROS (Italy)
MagniGYROS USA
Gyro-Kopp-Ters
Aircraft Designs, Inc.



Pitcairn PCA-2 Certification flight past the Statue of Liberty, October, 1930. Courtesy of Stephen Pitcairn.

FRIDAY APRIL 25, 2003

9 a.m.-8 p.m.

HOFSTRA MUSEUM EXHIBITION

FROM AUTOGIRO TO GYROPLANE 1923-2003

David A. Filderman Gallery

Joan and Donald E. Axinn Library, Ninth Floor, South Campus

Main Floor Showcases

Joan and Donald E. Axinn Library, First Floor, South Campus

9 a.m.-8 p.m.

BOOK DISPLAY AT HOFSTRA UNIVERSITY BOOKSTORE

Selected titles relevant to the conference.

Sondra and David S. Mack Student Center, South Campus

10 a.m.-3:30 p.m.

CONFERENCE REGISTRATION

Student Center Theater Lobby

Sondra and David S. Mack Student Center, North Campus

11 a.m.-Noon

BRUNCH (on your own)

Noon -1:30 p.m.

ACADEMIC CONVOCATION

Presiding

Stuart Rabinowitz

President and

Andrew M. Boas and Mark L. Claster

Distinguished Professor of Law

Hofstra University

*Conferring of
Honorary Degree*

Wing Commander Kenneth H. Wallis

MBE Deng (hc). CEng, FraeS FSETP

RAF (Ret'd)

Doctor of Humane Letters, honoris causa

Presented by Herman A. Berliner

Provost and Senior Vice President for Academic Affairs

Lawrence Herbert Distinguished Professor

Hofstra University

Citation and Conferring of Degree by President Rabinowitz

1:45-3 p.m.

OPENING CEREMONY

Welcome

Bruce H. Charnov

Associate Professor of Management

Chair, Department of Management, Entrepreneurship and General Business

Frank G. Zarb School of Business

Hofstra University

Conference Director

Greetings

Stuart Rabinowitz

President and

Andrew M. Boas and Mark L. Claster

Distinguished Professor of Law

Hofstra University

Roger Douglas Connor

Superintendent, Vertical Flight Collection

Smithsonian National Air and Space Museum

Washington, D.C.

Kathryn Fields

Editor and Publisher, *Rotorcraft*

Popular Rotorcraft Association

Inokern, CA

OPENING CEREMONY (continued):

T. P. “Ben” Mullett

Editor, *British Rotorcraft Association Newsletter*
British Rotorcraft Association
Chapham, Beds, England

Tom Gwynne

Vice President for External Relations
Cradle of Aviation Museum
Garden City, NY

Keynote Address

Carl R. Gunther

Historian and Archivist
Cairncrest Foundation (Pitcairn Aircraft Company/Pitcairn Family)
Bryn Athyn, PA
Joseph G. Astman Distinguished Conference Scholar
“Rediscovering Harold F. Pitcairn”

3:-3:15 p.m.

BREAK

3:15-4:45 p.m.

CONCURRENT PANELS

PANEL I-A: PIONEERS OF AUTOGIRO DEVELOPMENT

Juan de la Cierva

Engineer
Academy Award winner (1969) for invention of the
Dynamens optical image motion compensator
Nephew of Juan de la Cierva, inventor of the Autogiro
Madrid, Spain
“Harold Pitcairn and Juan de la Cierva: Two Inventors in Two Cultures”

J. Gordon Leishman

Professor of Aerospace Engineering
University of Maryland
Author, *Principles of Helicopter Aerodynamics*
“Development of the Autogiro: A Technical Perspective”

Jay Brian Hendrickson

Archivist, Platt-LePage Aircraft Archives
Houston, TX
“Dr. W. Laurence LePage: Remembering a Forgotten Pioneer”

PANEL I-B: AUTOGIRO: THE MILITARY/GOVERNMENT CONNECTION

Roger Douglas Conner

Superintendent, Vertical Flight Collection
Smithsonian National Air and Space Museum
Washington, D.C.
“The Autogiros and Gyroplanes of the
Smithsonian National Air and Space Museum”

Sergei Sikorsky

Retired Vice President
Sikorsky Aircraft
Surprise, AZ
“The Dorsey Bill: Collusion or Delusion?”

PANEL I-B (continued):

L. Parker Temple III

Senior Systems Engineer and Policy Analyst
National Reconnaissance Office (NRO)
Burke, VA

“A View of the Military Autogyro”

4:45-5 p.m.

BREAK

5-6 p.m.

VIDEO PRESENTATION

“The Rise, Fall and Rebirth of the Autogyro/Gyroplane as Reflected in Entertainment Media”

Bruce H. Charnov

Associate Professor of Management
Chair, Department of Management, Entrepreneurship and General Business
Frank G. Zarb School of Business
Hofstra University
Conference Director
Author, *From Autogyro to Gyroplane: The Amazing Survival of an Aviation Technology*

6-6:45 p.m.

RECEPTION AND HOFSTRA MUSEUM EXHIBITION OPENING

From Autogyro to Gyroplane 1923-2003

6:45 p.m.

AUTOGIRO/GYROPLANE PIONEERS BANQUET

*Welcome and
Master of Ceremonies*

Herman A. Berliner

Provost and Senior Vice President for Academic Affairs
Lawrence Herbert Distinguished Professor
Hofstra University

Introductions

Bruce H. Charnov

Associate Professor of Management
Chair, Department of Management, Entrepreneurship and General Business
Frank G. Zarb School of Business
Hofstra University
Conference Director

Honorees

John M. “Johnny” Miller - Autogyro pioneer (United States)
George Townson - Autogyro pioneer (United States)
Jukka Tervamäki - international autogyro pioneer (Finland)
Ken Brock - pioneer (United States) (posthumous)
Marie Brock - gyroplane pioneer (United States)
Martin Hollmann - gyroplane pioneer (United States)
Paul Bergen Abbott - gyrocopter pioneer (United States)
Marion Springer - gyroplane pioneer (United States)
David Gittens - autogyro pioneer (United States)
Vittorio Magni - international autogyro pioneer (Italy)
Ira Donald “Don” Farrington - gyroplane pioneer (United States) (posthumous)
John T. Potter - gyroplane pioneer (United States)
Jim Vanek - gyroplane pioneer (United States)
Chuck Vanek - gyroplane pioneer (United States)
Bernard Haseloh - international gyroplane pioneer (Canada) (posthumous)
Kenneth H. Wallis - international autogyro pioneer (England)
Jay Carter Jr. - gyroplane pioneer (United States)
David Groen - gyroplane pioneer (United States)
Jay Groen - gyroplane pioneer (United States)

8 a.m.-3 p.m.

CONFERENCE REGISTRATION

Student Center Theater Lobby
Sondra and David S. Mack Student Center, North Campus

9 a.m.-8 p.m.

HOFSTRA MUSEUM EXHIBITION

FROM AUTOGIRO TO GYROPLANE 1923-2003

David A. Filderman Gallery
Joan and Donald E. Axinn Library, Ninth Floor, South Campus
Main Floor Showcases
Joan and Donald E. Axinn Library, First Floor, South Campus

9 a.m.-8 p.m.

BOOK DISPLAY AT HOFSTRA UNIVERSITY BOOKSTORE

Selected titles relevant to the conference.
Sondra and David S. Mack Student Center, South Campus

9-10:45 a.m.

CONCURRENT PANELS

PANEL II-A: AUTOGYRO/GYROPLANE PIONEERS

Marion Springer

First Female Gyroplane Certified Flight Instructor
El Mirage, CA
“Memories of a Gyro Pioneer”

John T. Potter

Pioneering Gyroplane Pilot
Paducah, KY
“Don Farrington: The Pilot’s Pilot”

Bart “Woody” de Saar

Gyroplane Certified Flight Instructor
Great Yarmouth, England
“Don Farrington’s Legacy to the World-Wide Gyroplane Community:
A Personal Account From Europe”

Jean-Pierre Harrison

Author, Pilot and Historian
Seabrook, TX
“Why the Avian 2/180, McCulloch J-2 and Umbaugh 18-A Gyroplanes Failed”

PANEL II-B: AUTOGYRO/GYROPLANE PIONEERS

Paul Bergen Abbott

Editor, *Rotorcraft*, 1988-1998; Author
Carmel, IN
“Igor Bensen’s Contribution to Aviation: Did He Make a Difference?”

Martin Hollmann

Autogyro Engineer and Designer
Monterey, CA
“Reflections on the ‘Sportster’ and ‘Bumblebee’”

PANEL II-B (continued):

Kenneth H. Wallis

Autogyro Pioneer, Designer, Pilot and Film Star
Norfolk, England

“From ‘Little Nellie’ to NATO”

Jukka Tervämäki

Autogyro Designer
Helsinki, Finland

“Developing the Composite Autogyro in Finland: 1965-1970”

10:45-11 a.m.

BREAK

11 a.m. - 12:15 p.m.

CONCURRENT PANELS

PANEL III-A: INNOVATIVE AUTOROTATIONAL AIRCRAFT

David Gibbings

Retired Chief Flight Engineer, Test Bed Facility, Fairey Rotodyne,
Westland Helicopters, Ltd.
Somerset, England

“The ‘Fairey Rotodyne’: Too Much, Too Soon”

David Gittens

Aircraft Designer; only African-American aircraft designer in
the Smithsonian National Aviation collection.
Sarasota, FL

“Ikenga Soaring: Manifesting a Vision”

PANEL III-B: INNOVATIVE PILOTS AND HOW THEIR AIRCRAFT DO IT

Jim Vanek

President, Sport Copter USA; First pilot to loop a gyrocopter (1997)
Scappoose, OR

“Vancraft Gyroplanes – A Beginning Platform for Sport Copter”

Don and Linda (Haseloh) LaFleur

Kindersley, Saskatchewan, Canada

**“The Canadian RAF 2000 Gyroplane From Concept to Creation: 50 Years
of Trials, Tribulations and Triumphs of the Haseloh Rotary Air Force Design”**

12:15-1:30 p.m.

LUNCH (on your own)

1:30-3:30 p.m.

PLENARY SESSION: VISIONS OF THE FUTURE

Jay Carter, Jr.

President and CEO
CarterCopters, LLC
Wichita Falls, TX

**“The Next Generation CarterCopter (NxCC): Transformational Technology for
a Paradigm Shift in VTOL Aviation”**

Jay Groen

Chairman
Groen Brothers Aviation, Inc.
Salt Lake City, UT

“Building the DC-3 of Gyroplanes for the 21st Century”

PLENARY SESSION (continued):

Peter Bunniss

Founder, Rotary Wing Innovations Limited
Department of Aerospace Engineering
University of Bristol
Bristol, England

“SuperGyro’ – The Next Generation of Autogyro”

Robert M. McKillip, Jr.

Senior Associate
Continuum Dynamics, Inc.
Ewing, NJ

**“Analysis of Light Gyroplane Stability, Control and Handling Qualities
Using a Real-Time Free Wake Simulation Environment”**

Discussants

Kathryn Fields

Editor/Publisher, *Rotorcraft*
Inyokern, CA

Steph Gremminger

Former Editor/Publisher, *Rotorcraft* (1998-2000)
Sainte Genevieve, MO

Paul Bergen Abbott

Former Editor/Publisher, *Rotorcraft* (1988-1998)
Carmel, IN

Ron Bartlett

Editor/Publisher, *Autogyro 1/4ly*
Dorset, England

Don Parham

Editor/Publisher, *Homebuilt Rotorcraft*
Indianola, OK

3:30-3:45 p.m.

BREAK

3:45-5:15 p.m.

PLENARY SESSION: VISIONS OF THE FUTURE II

Martin Hollmann

Founder and President
Aircraft Designs
Designer of the first experimental two-place gyrocopter and
the first ultralight autogyro kit.

Monterey, CA

“Thoughts on the Future of Gyroplane Design”

T.P. “Ben” Mullett

Editor, *British Rotorcraft Association Newsletter*
Clapham, Beds, England

**“Bi-Rotor Autogyros: Another Latent Technology”
Presentation in memory of Mel Morris Jones**

Vittorio Magni

Founder and CEO

MagniGYROS

Besnate, Italy

**“Heritage From the Past and Needs From the Future as Cues
for Today’s Gyroplane Design”**

(Eredità del passato e necessità del futuro com espunti di progetto per l'autogiro di oggi)

Sonja Viviani, Translator

Discussants

Kathryn Fields

Editor/Publisher, *Rotorcraft*

Inyokern, CA

Steph Gremminger

Former Editor/Publisher, *Rotorcraft* (1998-2000)

Sainte Genevieve, MO

Paul Bergen Abbott

Former Editor/Publisher, *Rotorcraft* (1988-1998)

Carmel, IN

Ron Bartlett

Editor/Publisher, *Autogyro 1/4ly*

Dorset, England

Don Parham

Editor/Publisher, *Homebuilt Rotorcraft*

Indianola, OK

Robert Kopp

President, Gyro-Kopp-Ters

5:15-6:15 p.m.

CLOSING RECEPTION



Fairey Rotodyne (English 1957-1962). Courtesy of Augusta-Westland.

OFFICIAL CONFERENCE HOTELS

The **Long Island Marriott Hotel and Conference Center** in Uniondale, **Wingate Inn** in Garden City, and **Red Roof Inn** in Westbury have been designated as the official Conference hotels. Following are the room rates and cutoff dates for room reservations.

LONG ISLAND MARRIOTT HOTEL AND CONFERENCE CENTER

101 James Doolittle Blvd.
Uniondale, NY 11553
Att: Reservations Manager
Tel: (516) 794-3800 or (800) 832-6255
Fax: (516) 794-5936

Room rate: \$155 per night, single/double occupancy.

Cutoff date: March 25, 2003

WINGATE INN

821 Stewart Avenue
Garden City, NY 11530
Tel: (516) 705-9000; Fax: (516) 705-9100

Room rate: \$119 per night, single/double occupancy.

Cutoff date: March 25, 2003

RED ROOF INN

699 Dibblee Drive
Westbury, NY 11590
Tel: (516) 794-2555; (800) RED-ROOF

Room rate: \$89.99 per night, single/double occupancy.

When making your reservation, please refer to **CP518984** to receive Hofstra University's discounted rate.

Cutoff date: Based on availability

NOTE: Please make your reservations early, as the number of rooms is limited. All reservations will be held until 6 p.m. on day of arrival unless accompanied by the first night's room deposit or secured by a major credit card. When making your reservations, please identify yourself as a participant in the **Autogiro Conference** at Hofstra University. Scheduled transportation will be arranged between the Hofstra University campus and contracted hotels. Schedules will be available at the Conference Registration Desk as well as at the participating hotels. **There is a transportation fee of \$25 for the four days.**

DINING FACILITIES ON CAMPUS

There are several dining facilities on the Hofstra University campus. Only one dining facility, the Hofstra University Club, requires reservations. You may make reservations for lunch/dinner by calling (516) 463-6648. Reservations are limited.

LOCATION OF HOFSTRA UNIVERSITY

HOFSTRA UNIVERSITY is located in Hempstead, Long Island, New York, about 25 miles east of New York City, less than an hour away by train or automobile.

The Long Island Rail Road (LIRR) has frequent trains to the Hempstead Station from Pennsylvania Station, located at 34th Street and 7th Avenue, New York City, as well as from the Flatbush Avenue Station in Brooklyn, New York. Use local taxi service to the Hofstra campus.

Local Taxi Service:

All Island Taxi Service	(516) 481-1111
Pub Taxi Service	(516) 483-4433
Hempstead Taxi	(516) 489-4460

BY CAR: Travel on the Long Island Expressway, Northern State Parkway or Southern State Parkway to Meadowbrook State Parkway to Exit M4 (Hempstead Turnpike). Proceed west on Hempstead Turnpike to the Hofstra campus (approximately one mile).

TRANSPORTATION FROM AIRPORTS:

The Hofstra campus is located approximately 30 minutes by car from either John F. Kennedy International Airport or LaGuardia Airport.

Call in advance for reservations:

Horizon Transportation Service

Personalized Transportation Service (516) 538-4891

Hempstead Limousine Service Corporation

Personalized Transportation Service (516) 485-4399

Long Island Airport Limousine Service (LIALS)

LIALS can be called upon arrival at either JFK or LaGuardia Airport at a public telephone: 656-7000 (no area code required). The phones are monitored from 4 a.m. through midnight, seven days a week.

NOTE: Please be advised that there are no set fares charged by New York City yellow cabs between the airports and the Hofstra campus. Please confirm fee with the driver before starting your trip.

FOR INFORMATION:

HOFSTRA CULTURAL CENTER

200 Hofstra University, Hempstead, New York 11549-2000
Tel: (516) 463-5669; Fax: (516) 463-4793
E-mail: HOFCULCTR@hofstra.edu
www.hofstra.edu/culture

From Autogiro to Gyroplane: The Past, Present and Future of an Aviation Industry

Friday and Saturday
April 25 and 26, 2003

CONFERENCE REGISTRATION FORM

Mail to:
Autogiro Conference
Hofstra Cultural Center
200 Hofstra University
Hempstead, NY 11549-2000
Tel: (516) 463-5669
Fax: (516) 463-4793

Make check(s) payable to: *Autogiro Conference*

Name _____

Address _____

City/State/Zip _____

Affiliation _____

Telephone _____

Fax No. _____

E-mail _____

Method of Payment:

- Check payable to *Autogiro Conference*
 MasterCard* Visa*

Cardholder's Name _____

Card # _____ Exp. Date _____

Cardholder's Signature _____

***Please add a \$3 handling fee for credit card orders.**

Full conference registration includes coffee breaks and closing reception. *All events (with the exception of meals) are free to Hofstra students, faculty and staff upon presentation of a current HofstraCard.* Hofstra University is 100-percent program accessible to persons with disabilities.

Cancellations: A \$10 handling fee will be deducted from registration refunds; however, written notice must be received by April 15, 2003.

Returned Checks: A \$20 handling fee will be charged for returned checks.

CONFERENCE FEES



REGISTRATION FEE	NO. OF PERSONS	AMOUNT
Regular	\$55	_____
Senior Citizens (over 65 with ID)	\$40	_____
Matriculated Non-Hofstra Students (with ID)	\$20	_____
Pioneers Banquet	\$45	_____
TOTAL		_____

HOFSTRA CULTURAL CENTER

presents

From Autogiro to Gyroplane:
*The Past, Present and Future
of an Aviation Industry*

Friday and Saturday
April 25 and 26, 2003



Pitcairn PCA-2 flight over Wall Street. November, 1930. Courtesy of Stephen Pitcairn.