

Pia Consulting Services

a division of Water Safety Films, Inc
3 Boulder Brae Lane
Larchmont, N.Y. 10538-1105

Francesco A. Pia, President
BA, MA, MS, ACC, Ph.D.

Telephone
(914 834-7536)

RESUME

Summary: Originator of the Distress vs. Drowning person classification

Conducted the original research on the Instinctive Drowning Response

Copyright author of the four characteristics of an actively struggling drowning person

Instituted the first lifeguard and water safety training program for teaching drowning victim recognition concepts in the United States, Canada, Europe, and Australia

Conceived the "Pia Carry" a non-equipment swimming rescue currently taught by the Lifesaving Society of Canada and formerly described as the modified cross chest carry by the American Red Cross

Conducted a two year research study into the causes of swimming related drowning fatalities in the United States from 1910 to 1980 in areas where lifeguards were on duty

Formulated the RID Factor as a Cause of Drowning

39 years experience in drowning accident causation and reconstruction for public and private aquatic agencies

34 years experience lecturing to federal, state, county, and local agencies on the causes and solutions to swimming, nonswimming, and boating related drowning fatalities

21 years experience as a lifeguard and chief lifeguard at Orchard Beach, Bronx, NY, where approximately 2,000 near drownings and rescues occurred each summer

September President, Pia Consulting Services
1979-2004

Responsibilities: provide consultation services to educational and governmental agencies involved in aquatics and to plaintiffs' and defendants' attorneys engaged in litigation

Authored two legal articles on drowning accident causation:

"Establishing Causation in Unobserved Drownings"

Personal Injury Deskbook

Matthew Bender & Co., September, 1984.

"Unobserved Drownings: The Unnoticed Struggle"

Trial Magazine

Association of Trial Lawyers of America, November, 1982.

Injury Prevention Publications:

"Guarding Against Misconceptions"

Aquatics International

May, 2006

Handbook on Drowning: Prevention, Rescue, and Treatment

Bierens, J.J.L. (Ed) Springer (2002), NY

1. Section 3.9.9 *The Reasons People Drown*. Pia, F.
2. Section 5.5 *Lifeguard Surveillance and Scanning: past, present and future*: Fenner, Griffiths, Oosterman & Pia
3. Section 5.19. *Management of Physical and Psychological responses during administration of CPR to drowned persons*. Pia, F.

Lifeguard Effectiveness: A Report of the Working Group.

"Patron Surveillance: A Key Component of Lifeguarding Services"

Atlanta: Centers for Disease Control and Prevention, National Center for Injury Prevention and Control: 2001. Branche, CM & Stewart, S. (Ed.)

"Reflections on Lifeguard Surveillance Programs"

New Science of Drowning: Prevention & Intervention

CRC Press: 1999

"Proposing a New Safety Collaboration"

Pool & Spa News

June 15, 1994

Lead writer for three chapters in Lifeguarding Today:

(Aquatic Injury Prevention, Patron Surveillance and Facility Surveillance)

American Red Cross 1994

"Preventing Swimming Related Fatalities"

Pennsylvania Parks & Recreation Society

Spring 1991 Volume 22, No. 3

"The RID Factor as a Cause of Drowning"

Parks & Recreation

National Parks & Recreation Society, June, 1984.

"Reduce Swimming Pool Diving Accidents"

and Millions of Dollars in Liability Costs"
Crawford Educational Newsletter
Crawford & Company, Nov. /Dec. 1982.

"Observations on the Drowning of Nonswimmers"
Journal of Physical Education
The YMCA Society of North America, July, 1974.
Reprinted in:
Lifeguarding, 1st. Edition (1980)
American Association of Health, Physical Education and Recreation.

Produced and directed the following training films and videotapes:

On Drowning, 1970, a 13-minute lifeguard film which contains actual, *not staged*, film footage of 12 near drownings and rescues which range from single victims through a group of four.

Drowning: Facts & Myths, 1976, a 10-minute general audience film which examines the causes and solutions of swimming, nonswimming, and boating related drowning fatalities.

The Reasons People Drown, 1988, 22-minute drowning prevention videotape

Lifeguard Experience

May 1969 Chief Lifeguard, Orchard Beach, Bronx, NY:
to supervised 50 lifeguards and 3 Lieutenant lifeguards, and
Sept. 1979 conducted in service lifeguard and CPR training at Orchard Beach
and 12 New York City pools.

May 1964 Lieutenant Lifeguard, Orchard Beach, Bronx NY.
to
Sept. 1968

June, 1959 Lifeguard, Orchard Beach, Bronx, NY.
to
Sept. 1963

American Red Cross Volunteer Positions

- Advisory Committee for First Aid and Safety
- National Technical Advisor for Lifeguard Training

Aquatic Committee Membership

1981 - 1983 American Red Cross National Advisory Committee
Lifeguard Training

1993 American Red Cross National Advisory Committee
Lifeguard Training & Community Water Safety

- 1995 American Red Cross National Advisory Committee
Head Lifeguard
- 1997 Chairman: Health and Safety Advisory Committee
Westchester County American Red Cross
- 1999 American Red Cross National Advisory Committee
Guard Start/Lifeguarding Tomorrow
- 2001 American Red Cross National Advisory Committee
Lifeguard Training
- 2001 American Red Cross National Advisory Committee
Lifeguard Manager
- 2004 American Red Cross National Advisory Committee
Lifeguard Training

Awards

- 2005 Who's Who in Aquatic Leadership in the USA
- 2004 Who's Who in Aquatic Leadership in the USA
- 2003 American National Red Cross
Special Citation for Exceptional Volunteer Service
- 2000 American Red Cross in Westchester County, NY
Volunteer of the Year

Invited Lecturer at Aquatic Conferences

- 1970 Council for National Cooperation in Aquatics (CNCA) Ft. Lauderdale, FL
- 1971 American Red Cross National Staff Training Conference Cincinnati, OH
- 1972 National Water Safety Congress Dallas, TX
- 1975 National Women's Aquatic Forum Ft. Lauderdale, FL
- 1976 American Red Cross Regional Aquatic School Brookline, MA
- 1977 American Red Cross Regional Aquatic School Mountain Lakes, NY
- 1978 U.S. Coast Guard Second Coast Guard District Springfield, IL
Des Moines, IA

Boating Safety Seminars

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| 1979 | University of Rhode Island
First Northeast Conference in Cold Water Survival | Kingston, RI |
| | American Red Cross
Regional Aquatic School | Mountain Lakes, NY |
| | Columbia College
Water Rescue '79 | Sonoma, CA |
| 1980 | Westchester County Department of Health
Pool Safety Seminar | White Plains, NY |
| | American Red Cross
Regional Aquatic School | Mountain Lakes, NY |
| | American Red Cross &
Westchester County Department of Health
Hypothermia Conference | White Plains, NY |
| | American Association of Health,
Physical Education and Recreation (AAHPER)
Aquatic School | Indiana University, PA |
| | National Safety Council
Water Safety Awareness Program | Chicago, IL |
| | Council for National Cooperation in Aquatics | Atlanta, GA |
| | National Park Service
Swimming Related Fatalities Seminar | Falls River, NY |
| 1981 | Royal Lifesaving Society of Canada
University of Victoria | Victoria, British Columbia |
| | Northeastern University
YMCA Aquatic Institute
Middle Atlantic Region | Berwyn, PA |
| | American Red Cross
Regional Aquatic School | Mountain Lakes, NY |
| | Westchester County
Dept. of Parks and Recreation
Swimming Pool Operators Course | White Plains, NY |
| | National Safety Council
Eastern Region Safety Conference | Philadelphia, PA |

1982	Council for National Cooperation in Aquatics	Columbus, OH
	American Red Cross Regional Aquatic School	Mountain Lakes, NY
1983	Rutgers University Aquatics Management Program	New Brunswick, NJ
	American Camping Association New Jersey Section	Lebanon, NJ
	American Red Cross Regional Aquatic School	Mountain Lakes, NY
1984	Advanced Lifeguard Training Conference University of Victoria	Victoria, British Columbia
	American Camping Association Eastern Camping Association NY, NJ & PA Sections	Teaneck, NJ
	YMCA Aquatic School - Northeast Region Springfield College	Springfield, MA
	American Red Cross Regional Aquatic School	Mountain Lakes, NY
1985	American Camping Association Eastern Camping Association	Teaneck, NJ
1985	Rutgers University Aquatic Management Conference	New Brunswick, NJ
	New Jersey Pool Managers Association	Tenafly, NJ
1986	National Spa and Pool Institute 1986 Aquatic Symposium	Indianapolis, IN
	American Camping Association Eastern Camping Association	Teaneck, NJ
	NJ Department of Environmental Protection Aquatic Managers Seminar	Trenton, NJ
1986	Royal Lifesaving Society of Canada Rescue '86	Vancouver, British Columbia
1987	National Safety Council 75th Annual Congress	Chicago, IL

1988	National Water Safety Congress National Conference	Scottsdale, AZ
	Army Corps of Engineers Staff Training Conference	Pittsburgh, PA
	Ohio Division of Watercraft Statewide Conference	Columbus, OH
1989	United States Boating Law Administrators National Conference	San Diego, CA
	The Royal Lifesaving Society of Canada National Conference	Quebec, Canada
	Council for National Cooperation in Aquatics	Indianapolis, IN
1990	Connecticut Recreation and Parks Association Northeast Aquatics Seminar	Windsor Locks, CT
1991	State of Maryland Natural Resources Police Outdoor Education Seminar	Ocean City, MD
1992	Westchester County Department of Health Children's Summer Camp Workshop	White Plains, NY
	Westchester County Recreation and Parks Assoc. Aquatics Workshop	White Plains, NY
	Council for National Cooperation in Aquatics	Cincinnati, OH
	Connecticut Recreation and Parks Association 32nd Annual State Conference	North Haven, CT
1996	New York State Recreation and Park Society	Syracuse, NY
1996	International Swimming Pool Hall of Fame Drowning Symposia	Ft. Lauderdale, FL
1997	International Lifesaving Federation Medical Rescue Conference	San Diego, CA
1998	Centers for Disease Control Lifeguard Effectiveness Workgroup	Atlanta, GA
	PRO Aquatics Conference	Haliburton, Ontario
2002	World Congress on Drowning	Amsterdam, Netherlands

	Westchester County Department of Health Children's Summer Camp Workshop	White Plains, NY
2003	AAHPERD National Conference	New Orleans, LA
	Minnesota Recreation & Parks Conference	Minneapolis/St. Paul, MN
2004	International ECCU/CPR Conference Emergency Cardiac Care Union "Beyond CPR: The Physiology and Psychology of the Inexperienced First Responder"	New Orleans, LA
2005	World Waterpark Association National Convention	Las Vegas, NV
2005	New York State Department of Health Bureau of Community Environmental Health Training Workshops for Bathing and Children's Camps Inspectors	Erie, Ontario, Oneida, Suffolk, Saratoga, Ulster, Counties New York City
2006	National Recreation & Park Association <i>"A Human Information Processing Perspective of Lifeguard Surveillance Protocols"</i>	Austin, TX
2006	Westchester County Department of Health Children's Summer Camp Workshop	White Plains, NY
2006	International ECCU/CPR Conference Emergency Cardiac Care Union "Current Issues in Lay CPR Instruction"	Orlando, FL
2006	Westchester County Department of Health Children's Summer Camp Workshop	White Plains, NY
2006	World Aquatic Health Conference National Swimming Pool Foundation <i>"What Does Science Teach Us about Guarding and Drowning Prevention?"</i>	Austin, TX
2007	World Water Safety Conference International Lifesaving Society Patron Surveillance: A Human Information Processing Perspective	Porto, Portugal
2007	California Aquatic Management School <u>Keynote Address:</u> "Educational, Psychological, and Social Perspectives for Recruiting, Training, and Supervising Millennium Generation Lifeguards"	Monterey, CA

Conference Session

“Current Controversies in Lifeguard Surveillance
Concepts and Patron Surveillance Strategies.

Education:

**August
2004** Doctor of Philosophy
Interdisciplinary Studies:
Psychology, Human Factors & Public Health
Union Institute and University

**January
1977** Advanced Certificate
Clinical School Psychology
The City College
The City University of New York

**June
1976** Master of Science in Education
The City College
The City University of New York

**June
1973** Master of Arts in Speech and Theater Arts
Long Island University
Greenvale, New York

**June
1968** Bachelor of Arts in Speech
Long Island University
Greenvale, New York

**Professional
Certificates:** School Psychologist
Permanent Certification
New York State Department of Education

Teacher of English
Permanent Certification
New York State Department of Education

Work Experience - Education

1970 - 1975 Morris High School, Bronx, NY
1970 – 1972
Teacher of Speech
Duties: taught emotionally disturbed classes of non-English
speaking students, beginning and intermediate classes in
English as a second language, 11th and 12th grade classes in
basic and advanced public speaking

1973 - 1975
Coordinator of Student Affairs
Duties: Ombudsman for students, faculty advisor to student organizations,

liaison to community, & coordinator for co-curricular and extra curricular activities

1976 - 1977

School Psychologist Intern
Mamaroneck Avenue Elementary School
Mamaroneck Public Schools, Mamaroneck, NY
Hommocks Middle School
Mamaroneck Public Schools, Mamaroneck, NY

1977

Graduate Teaching Assistant: The City College of New York
Graduate School of Education

1977-1998

Mamaroneck High School
Teacher of English & School Psychologist
Duties: taught English in a self-contained alternative educational program for academic underachievers for grades 9 - 12 and provided psycho-educational consultation to students and staff