

# The Center for Reactor Information

The Center for Reactor Information (CFRI) is an international group of independent senior volunteers. Its members are nuclear scientists, engineers, and writers with hundreds of cumulative years experience in research, development, and industry. Visitors to the CFRI URL <[www.sustainablenuclear.org](http://www.sustainablenuclear.org)> may download many documents containing objective nuclear technical information. Email address <[cfri3@aol.com](mailto:cfri3@aol.com)>.

CFRI is dedicated to increasing public awareness that nuclear energy is truly sustainable. The most difficult challenge against which any energy technology should be measured is the one posed by the definition of sustainability: “meeting the needs of the present without compromising the ability of future generations to meet their own needs” (United Nations’ Brundtland Commission, 1987).

Uranium can provide the world with safe, abundant, economical, and environmentally friendly energy for as long as desired.

**Purpose:** The core purpose of CFRI is to promote awareness of, and to provide independent, objective technical information about, applications of nuclear energy.

**Vision:** CFRI will be recognized as an independent and credible source of accurate technical information about applications of nuclear energy.

**Mission:** The Center for Reactor Information will provide independent, objective information to serve the needs of

- the general public;
- media;
- policy makers;
- educators and students.

## *The CFRI Message*

o Nuclear power is the only sustainable technology available today that can supply the nearly emissions-free “base load” power the world will need. Energy demand will grow faster than population, and it’s not too early to prepare to meet that demand. While all energy sources have their applications, nuclear is the only environmentally benign source currently available that can safely, reliably, and economically provide the bulk of needed base load capacity.

- o Nuclear power produces dramatically smaller amounts of waste than coal power, and what waste there is has been securely managed, and will continue to be. When fast-fission technology comes into play, nuclear waste will be greatly reduced further.
- o Among those who worry about carbon dioxide contributing to global warming, realization is spreading that nuclear power is the only currently available technology that substantially reduces carbon emissions. And there are other compelling reasons to replace fossil fuels with safe, clean nuclear power.
- o Deployment of fast-fission technology with the general characteristics of the Integral Fast Reactor is inevitable because growing global demand for clean energy cannot be satisfied indefinitely by today's thermal reactors.

### *Accomplishments/Milestones*

**1995** Senior scientists and engineers with 500 years cumulative expertise organized to proactively foster use of nuclear energy. The organization, Center for Reactor Information, provides information countering antinuclear propaganda that blocks expansion of nuclear energy.

Charter members: Al Amorosi, Robert Boyar, Lester Burris, James Dutton, Brian Frost, Philip Gustafson, Robert Henry, Sharon Kerrick, Howard Kittel, Fredric Olds, John Phillips, George Stanford, Eugene Voiland

**1999** The Center for Reactor Information established Nuclear Group Information Exchange (NGIE). The NGIE network was formed in response to panel discussion at the annual meeting of the American Nuclear Society. The panel suggested need for communication between pro-nuclear constituents including more than eleven nuclear advocate organizations from Washington State to Massachusetts.

**2001** An extensive nuclear fast reactor development archive was catalogued by CFRI. Members inventoried records of research, development, engineering, and worldwide construction of nuclear fast reactors. The Secretariate for Fast Reactor Development Archives of the United Nations International Atomic Energy Agency was advised that this irreplaceable resource exists.

**2004** A Nuclear Power and Technology web site is established as an expanding public resource. More than 90 reports issued by nuclear pioneers have been posted at URL [www.sustainablenuclear.org](http://www.sustainablenuclear.org).

Science-based and referenced documents are prepared by nuclear scientists and engineers

based on years of research and development expertise. Word-searchable information is provided free to students, teachers, the public, media, and legislators.

**2007** CFRI issued the Fredric C. Olds Energy Archive. This is the first use of an automated process that assembles technical archives of nuclear pioneers.

The Fred Olds Archive is a unique chronicle of worldwide energy supply and nuclear power during the period 1965 through 1998. The collection of more than 350 articles and columns written by Fred Olds, Executive Editor of Power Engineering magazine, spans a crucial period in evolution of nuclear power. An extraordinary journalist witnessing world energy development analyzes energy politics and policy.

The archive, in word-searchable format initially recorded on compact disk, is to be posted at the CFRI web site . Another much larger archive is being processed.

**2009** The Center for Reactor Information, an independent, international, nonprofit organization celebrated its 14<sup>th</sup> anniversary. CFRI fosters use of nuclear energy by continuing to provide information to the public via the Internet

The 2009 Board of Directors: Richard Beatty, Raymond Crawford (Chairman), Brian Frost, Sharon Kerrick, George Stanford, Anthony Taylor, and Jan van Erp. Participants also include corresponding members, plus Dave Baurac, Judy Carlson, Steve Grammel, Laura Scheele and others.

The group welcomes corresponding members of the board from Canada, Czech Republic, Spain and Sweden. They join eight U.S. corresponding members.

*Contact:*

E-mail < [cfri3@aol.com](mailto:cfri3@aol.com) >

Paper mail CFRI  
1005 KENEBEC  
NAPERVILLE IL 60563

Internet URL < [www.sustainablenuclear.org](http://www.sustainablenuclear.org) >

CFRI Desk 800-323-3044 & 708-579-8228 (2nd & 4th Wednesdays)