

Physics and Secrecy

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**Federation of American
Scientists**

February 13, 2010

Science, 3 June 1994

POLICY FORUM

Secrecy Runs Amok

Glenn T. Seaborg

Publishing information on scientific projects related to national security requires resolution of the conflicts between the "right of the

to ship the journal to those places is a clear indication that the AEC regarded the journal as an unclassified document.

Some Dimensions of Secrecy

- ◆ > 23 million classification decisions in FY 2008 (up from 8.6 million in FY 2001) (up from 3.5 million in FY 1995)
- ◆ ~4,000 officials authorized to classify
- ◆ ~2.5 million persons hold security clearance
- ◆ Cost: \$9.85 Billion in FY 2008
- ◆ Some documents dating back to WWI still restricted

Sensitive But Unclassified (SBU)

- ◆ FOUO – For Official Use Only
- ◆ LIMDIS – Limited Dissemination
- ◆ SSI – Sensitive Security Information
- ◆ SUTI, UCNI, LES, LOU, CUI, (more than 100), etc.

EO 13526 – December 29, 2009

- ◆ “scientific, technological ... matters relating to the national security” may be classified
- ◆ “basic scientific research not clearly related to the national security may not be classified”

NSDD 189 - 1985

- ◆ “to the maximum extent possible, the products of fundamental research [shall] remain unrestricted”
- ◆ “the mechanism for control of information... is classification”

Invention Secrecy Act of 1951

- ◆ If “detrimental to the national security... the invention [shall] be kept secret... for such period as the national interest requires.”
- ◆ 5,081 secrecy orders in effect (Oct 2009)

Category Review List (1971)

Item 8. Solar photovoltaic generators (AMC)- if $> 20\%$ efficient (NASA) (AF)

Item 9. Energy conversion systems with conversion efficiencies in excess of 70-80%

JASON – May 2009

~~FOR OFFICIAL USE ONLY~~

S&T for National Security

DoE on Weapons Dismantlement

OFFICIAL USE ONLY

**IMPLEMENTATION
PLAN FOR THE
DISMANTLEMENT STUDY GROUP**

DTIC – Access Controlled



DEFENSE TECHNICAL INFORMATION CENTER

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For Immediate Release
September 21, 2009

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DTIC Online Access Controlled Launched

US Declaration to the IAEA

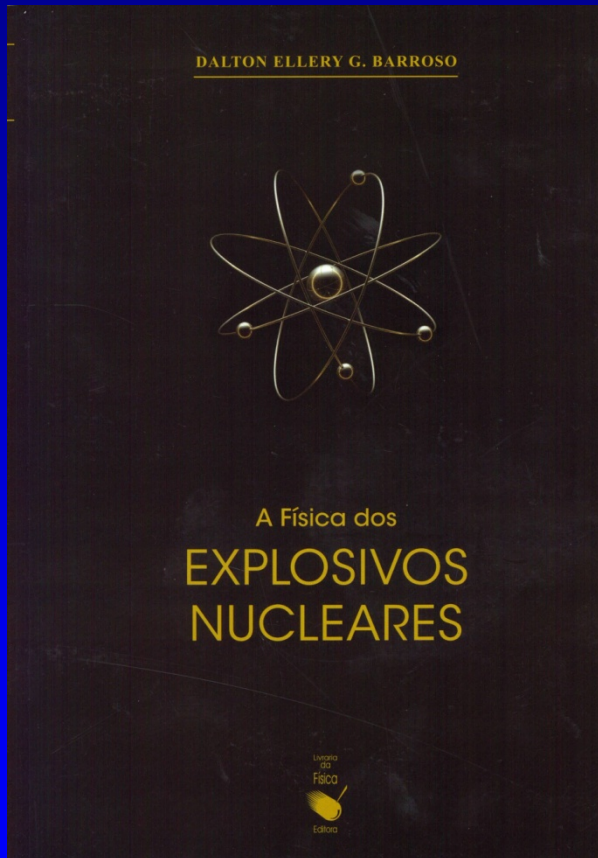
THE LIST OF SITES, LOCATIONS, FACILITIES, AND
ACTIVITIES DECLARED TO THE INTERNATIONAL
ATOMIC ENERGY AGENCY

MESSAGE

FROM

THE PRESIDENT OF THE UNITED STATES

A Física dos Explosivos Nucleares



Other Resources

**Science and Security in a Post 9/11
World**

National Research Council

<http://www.nap.edu/>

FAS

Federation of American Scientists

www.fas.org

Project on Government Secrecy

www.fas.org/sgp/

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