

For Your PROTECTION
24 HOURS PER DAY



When it is necessary to enter a radiation danger zone, health physics surveyors are glad to tell you how long you may stay there safely.

HEALTH PHYSICS *For Your Protection*

ICRP at Nearly 90 Years

Dr Claire Cousins
ICRP Chair

ICRP 4th Symposium
Opening Session
Paris, France
10th October 2017



Welcome to Paris





ICRP

**4TH INTERNATIONAL SYMPOSIUM ON THE
SYSTEM OF RADIOLOGICAL PROTECTION**

October 10-12 2017, Paris, France

ERPW

**2ND EUROPEAN RADIOLOGICAL
PROTECTION RESEARCH WEEK**

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ICRP

- **ICRP was founded in 1928, International X-ray and Radium Protection Committee**
- **Is 89 years old this year**
- **Renamed International Commission on Radiological Protection ICRP in 1950**
- **Registered charity UK**



**First meeting, Stockholm
1928**



**3rd ICRP Symposium, Seoul
2015**

ICRP Committees

- **Several Committees with different names in course of history**
- **4 Committees for many years**
- **Committee 5 established in 2005 to address protection of the environment**

Protection of the Environment

- **Several publications trace development from initial framework to information for implementation**
- **Protection of the environment will now be fully integrated into the one system of RP**

Organisational Restructure

- **From beginning of new term (1st July 2017), ICRP is again operating with four Committees**
- **Experts from Committee 5 on protection of the environment will be working in other Committees**

Structure of ICRP, 2017 – 2021

Main Commission

Chair: Claire Cousins, UK

Vice-Chair: Jacques Lochard, FR

11 other members

Scientific Secretariat

Christopher Clement, CN

Haruyuki Ogino, JP

Kelsey Cloutier, CN

Lynn Lemaire, Exec Admin, CN

C1 - Radiation Effects *Werner Rühm, Germany*

C2 - Doses from Radiation Exposure *John Harrison, UK*

C3 - Protection in Medicine *Kimberly Applegate, USA*

C4 - Application ICRP Recommendations *Donald Cool, USA*

New MC Members

- **Kimberly Applegate, Chair C3, USA**
- **Simon Bouffler, UK**
- **Kunwoo Cho, Korea**
- **Michiaki Kai, Japan**
- **Dominique Laurier, France**
- **Senlin Liu, China**

Development & Communications

Kelsey Cloutier
Development &
Communications
Manager



Manages:

- **Development of charitable contributions and financial resources**
- **Internal and external communications of all ICRP content**
- **Website, social media and other social platforms**

Strategic Plan 2016-2020


- **Maintain and continue to improve System of RP**
- **Promote awareness of RP and broaden access to ICRP recommendations**
- **Increase engagement with professionals, policy-makers and public**



Strategic Achievements

- **Continued integration of protection of environment**
- **New Committee mandates**
- **RP in veterinary medicine to be addressed by ICRP**

Strategic Achievements

- Increased number of liaison organisations to 23
- Continue biennial Symposia
-  Launched on-line educational tool as overview of system of radiological protection

Strategic Achievements

- **First 50 years publications made freely available in 2015**
- **New initiative to move towards full free access to the Annals of the ICRP**

90th Anniversary Drive to Free the Annals

- **Goal: make all ICRP publications free of charge (except most recent rolling two years)**
- **Needed: €500,000 pledged by end of 2018**
- **Thanks to FANR and US DoE for kickstarting the initiative: ~20% already achieved**
- **We need your support to succeed**

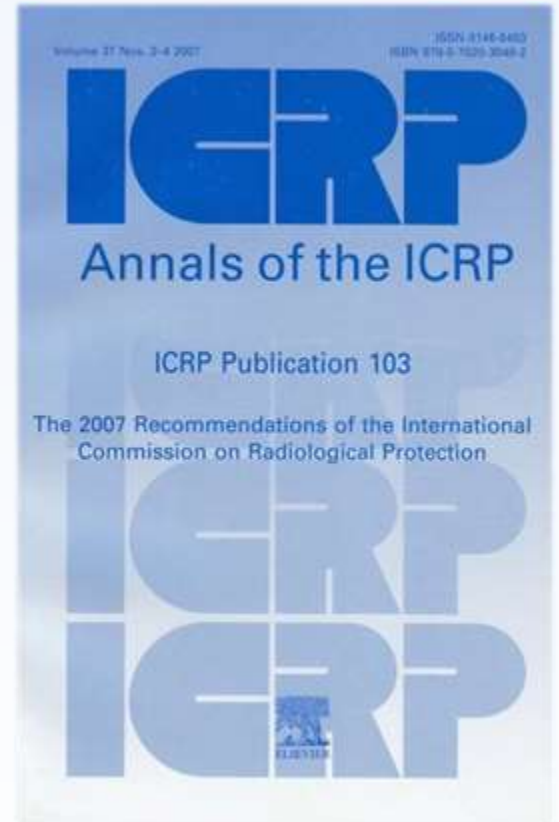
90th Anniversary Drive to Free the Annals



This USB contains for free all ICRP publications from 1928-1988 plus a few others, including *Publication 103*, the most recent fundamental recommendations

System of Radiological Protection

- Last updated in ***ICRP Publication 103 (2007)***
- Based on science, ethical and social values, and experience
- Forms the basis of radiation safety standards, legislation, guidance, programmes, and practice worldwide



System of Radiological Protection

- **Nearly 20 years since last major system review commenced**
- **Main Commission initiated further review May 2016**
- **System basically sound**
- **Recognise need for some clarification and explanation**

System of Radiological Protection

- **ICRP not about to develop new fundamental recommendations**
- **Will continue to review:**
 - **exposure situations and categories of exposure**
 - **current division of effects between cancer and heritable diseases and tissue reactions**
 - **the basis of dose limits, especially those for protection against tissue reactions**

Bo Lindell

1922-2016

Scientific Secretary	(1959-1962)
Committee 4 Member	(1962-1965)
Main Commission	(1962-1965)
Committee 3 Chair	(1965-1977)
ICRP Vice-Chair	(1969-1977)
ICRP Chair	(1977-1985)
ICRP MC Emeritus Member	(1985)



Bo Lindell Medal

- **Has been established by ICRP in memory of a giant of radiological protection**
- **Awarded to an individual who is making a significant contribution to the promotion of RP**
- **First award to be made in 2018, ICRP's 90th anniversary year**
- **Thereafter will be awarded at biennial Symposium**

ICRP 90th Anniversary

- **To be celebrated in Stockholm, Sweden at the invitation of SSM in October 2018**
- **Will include a mini-symposium**



Conclusions

ICRP:

- **has modernised operations**
- **is increasing collaboration with other organisations**
- **is broadening engagement with society**
- **will continue to review current science to provide relevant recommendations**
- **will look to address the challenges facing radiological protection in coming years**

**Nothing in life is to be feared,
it is only to be understood.
Now is the time to understand
more, so that we may fear less**

Marie Curie



www.ICRP.org