PARDON MY FRENCH.
Forward Through the Rearview Mirror: Reflections on ICRP Past and Future

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Forward Through the Rearview Mirror: Reflections On and By Marshall McLuhan 1996
Do you know why a car's windshield is so large and the rearview mirror is so small? Because our past is not as important as our future. Look ahead and move on.
• International Commission on Radiological Protection
• International Cancer Research Partnership
• Institute for Culture Relations Policy
• Indonesian Conference on Religion and Peace
• International Coastal Revetment Products
Beginning radiological protection

First protection advice 1 year after discovery x-rays:

• Make the exposure as short as possible
• Do not stand with 12 inches of x-ray tube
• Coat the skin with Vaseline and leave an extra layer on the most exposed area

Wolfram Fuchs, USA 1896
ICRP

- Founded in 1928, International X-ray and Radium Protection Committee
- Renamed International Commission on Radiological Protection ICRP in 1950
- Registered charity UK
- Main Commission and five Committees
The Steering Committee of the 2nd International Congress of Radiology
Stockholm 1928, which decided the creation of the X-ray and Radium Protection Committee

Antoine Béclère, glove covering radionecrosis left hand
In the beginning…..

Restaurant Hasselbacken, Stockholm, Sweden
In the beginning..... First ICRP dinner
INTERNATIONAL RECOMMENDATIONS FOR X-RAY
AND RADIFM PROTECTION


1. The dangers of over-exposure to X-rays and radium can be avoided by the provision of adequate protection and suitable working conditions. It is the duty of those in charge of X-ray and radium departments to ensure such conditions for their personnel. The known effects to be guarded against are:
   (a) Injuries to the superficial tissues;
   (b) Derangements of internal organs and changes in the blood.

II. Working Hours etc.

2. The following working hours etc. are recommended for whole-time X-ray and radium workers:
   (a) Not more than seven working hours a day.
   (b) Not more than five working days a week. The off-days to be spent as much as possible out of doors.
   (c) Not less than one month's holiday a year.
   (d) Whole-time workers in hospital X-ray and radium departments should not be called upon for other hospital service.

II. General X-Ray Recommendations.

3. X-ray departments should not be situated below ground-floor level.

4. All rooms, including dark-rooms, should be provided with windows affording good natural lighting and ready facilities for admitting sunshine and fresh air whenever possible.

Rolf Sievert
Chairman 1928-1931
Rolf Sievert
1928-1931 &
1956-1962
Rene Ledoux
Lebard
1931-1937
Lauriston
Taylor
1937-1950
Ernest Rock
Carling
1950-1956
Edward
Pochin
1962-1969
C. Gordon
Stewart
1969-1977

Bo Lindell
1977-1985
Dan
Bennison
1985-1993
Roger Clarke
1993-2005
Lars-Erik
Holm
2005-2009
Claire Cousins
2009-
Dr. Claire Cousins:

- Lead Consultant Vascular and Interventional Radiologist
- Addenbrooke’s Hospital, Cambridge, UK
- Member ICRP since 2001
- Chair Committee 3, 2005-2009
- Chair ICRP 2009-date
Dr. Claire Cousins:

- Leads successful team, all male consultant colleagues
- Works with radiation every day
- 4-6 interventional operating lists per week
- Works one in six nights and weekends on call
Endovascular x-ray guided abdominal aortic aneurysm repair (EVAR)
Conventional surgical aortic aneurysm repair
France and ICRP

Rene Ledoux Lebard, Chair

Henri Jammet, Chair C4 and C3
France and ICRP

Annie Sugier Chair C4

Jacques Lochard Chair C4, Vice Chair
Advance for the public benefit the science of radiological protection, in particular by providing recommendations and guidance on all aspects of protection against ionising radiation.
• Main Commission Chair + 12 members
• Four year terms
• Previously 4 & since 2005, 5 Committees
• Scientific Secretariat
• Publication series since 1959
• *Annals of the ICRP* since 1977
An independent, international community of experts in radiological protection
More than 230 experts in radiological protection science and policy from 33 countries and six continents
Main Commission
Chair: Claire Cousins, UK
Vice-Chair: Jacques Lochard, FR
11 other members

Scientific Secretariat
Chris Clement, CN
Nobuyuki Hamada, JP
Lynn Lemaire, Exec Assistant

C1 - Radiation Effects William Morgan, USA

C2 - Doses from Radiation Exposure John Harrison, UK

C3 - Protection in Medicine Eliseo Vano, SP

C4 - Application ICRP Recommendations Donald Cool, USA

C5 - Protection of the Environment Carl-Magnus Larsson, AUS
Main Commission 2013-2017
Lynn Lemaire  
Executive Assistant

Nobuyuki Hamada  
Assistant Secretary
• Students on secondment from CNSC (Canada)
• 4 month attachments with ICRP
• 10 students to date
• Invaluable work on ICRP history and glossary
ICRP is a charitable organisation

Expert members recruited from different areas of radiological protection

Members unpaid and voluntarily give time and effort for the success of ICRP
• Main Commission meetings 1-2 times per year
• Committee meetings annually
• Combined biennial meetings
• Task groups (TG) meetings as necessary
232 Members (91 MC + Committees)
128 Numbered publications
20 Active Task Groups
13 Fundamental Recommendations since 1928
5 Standing Committees

1 System of Radiological Protection
• Most recently 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
Contribute to an appropriate level of protection for people and the environment against the detrimental effects of radiation exposure without unduly limiting the desirable human actions that may be associated with such exposure.
Includes:

• Strengths
• Challenges facing RP
• Objectives
• Initiatives
ICRP objectives:

- Improve dissemination Recommendations
- Scientific work improving the System of RP
- Raise awareness of RP in medicine
- Protection of the environment integrated into System of RP
- Positive relationship with RP organisations
- Best practices applied to ICRP governance
ICRP initiatives:

- Publications at low or no cost
- Recommend research to strengthen System of RP
- Hold regular ICRP symposia
- Increase participation in RP & other forums
- Openly seek nominations for new members
Established biennial symposia
Established Special Liaison Organisations
Held open nominations for members with nearly half new membership (20% women)
Developed ICRP Code of Ethics
Change of publisher from 2013
• Recommended areas of research to UNSCEAR and other organisations

• Integrated protection of the environment into the system of radiological protection (Pub 124)
• New initiative in 2011
• Designed to broaden awareness and increase collaboration
• Aim for diverse global venue
  - Bethesda 2011
  - Abu Dhabi 2013
  - Seoul 2015
  - Paris 2017
With other international organisations:

- ICRU
- IAEA
- UNSCEAR
- WHO
- IRPA
• New system to improve relations
• More organisations invited ‘Special Liaison’ status
• Representatives invited to Committee meetings to discuss specific issues and to join Task Groups to bring expertise
• Inclusion in Symposia
• Additional meetings with Main Commission
• Number of organisations increased to 18
• Mainly European, International & USA
• Encourage more global representation of organisations
• Liaise with more radiology organisations to engage with health professionals
• Publications at low or no cost dependent on finances

• Improved finances will allow ICRP to promote training and research to improve system of RP

• Members + Scientific Secretary already attend many RP meetings; increase representation whenever possible
• Nearly 200 nominations for new ICRP members; review & refine electoral process

• 3rd International Symposium in Seoul, Korea 20th - 22nd October 2015

• 4th Symposium in Paris, early October 2017
• As a charity, ICRP does not have large financial reserve
• Several planned strategies require capital spend and increased financial resource
• Engaged fundraising company, CCS
• Now embarking on full campaign
• Campaign priorities:
  • Maintain and improve ICRP’s current System of Radiological Protection
  • Broaden awareness of RP and access to ICRP recommendations
  • Increase engagement with professionals, policy-makers and the interested public
Aim to raise €10 million over the next five years
• Review of the constitution ICRP
• Refine the election process
• Work on priorities for next Strategic Plan
• Produce plain language overview of the system of radiological protection and summaries of recommendations
• Open access to first 50 years publications
• Increase salaried staff
  ➢ Communications officer
  ➢ Fundraising officer
• Consider other types of membership
• Award funding to young RP professionals in training
• Expand use of social media
ICRP:

• has a long history in providing recommendations and guidelines in RP
• will continue to be a leading authority in RP
• recognises the need to
  ➢ listen
  ➢ evolve
  ➢ address difficult issues
  ➢ interact with both RP professionals, other organisations and the public
If you want something said, ask a man; if you want something done ask a woman.

*Margaret Thatcher*
All in the line of duty!