

ICRP

ICRP Past, Present and Future

ICRP 2013
2nd International Symposium on the System of
Radiological Protection . Opening Session

Abu Dhabi, UAE
22nd October 2013

Dr Claire Cousins
ICRP Chair

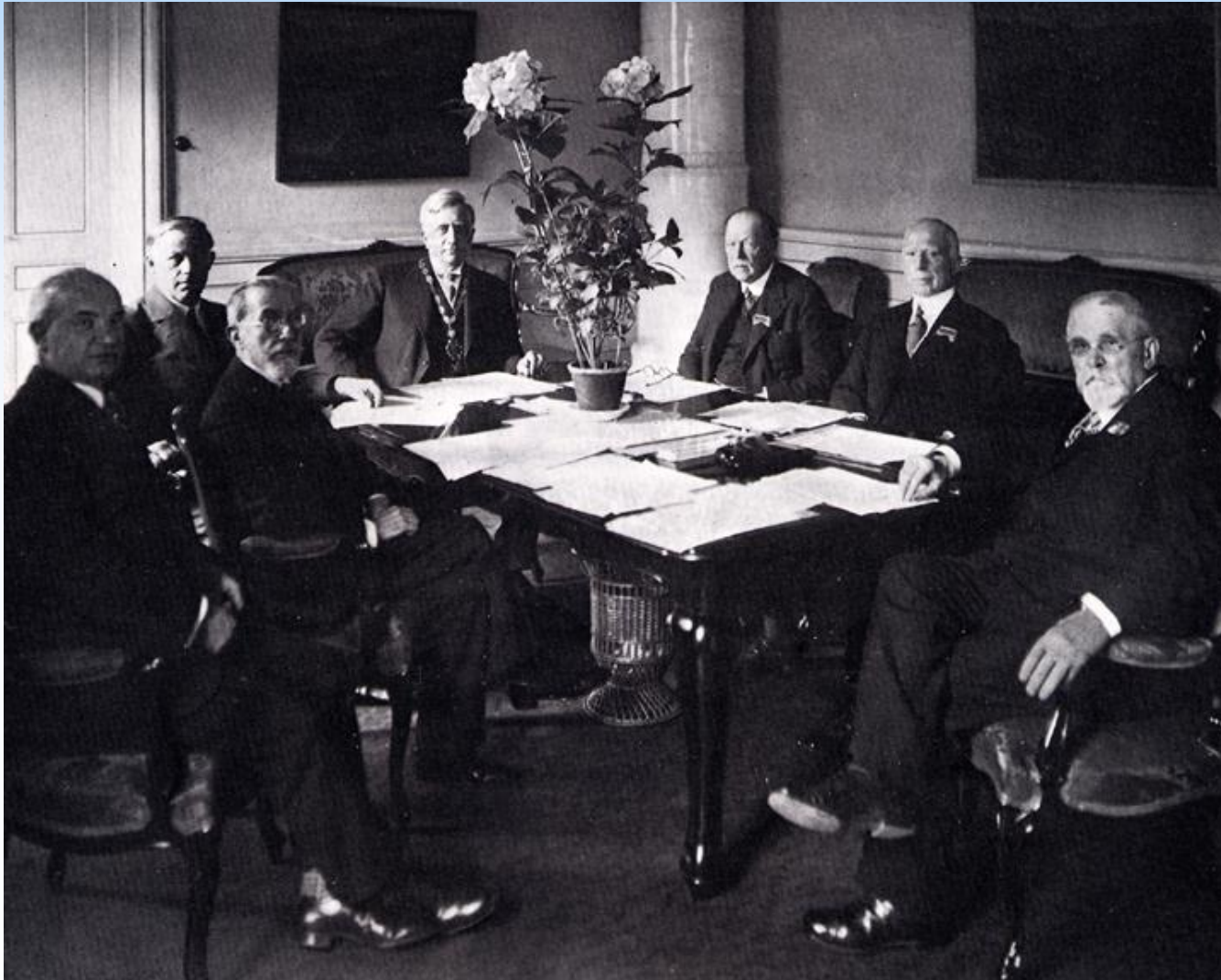
ICRP

Past

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**

Radiation necrosis

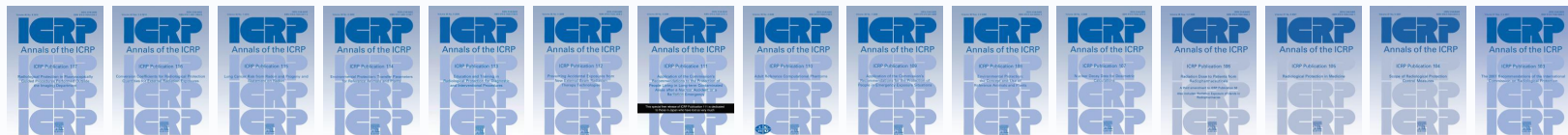


The Congress Dinner with the young Rolf Sievert



ICRP Mission

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

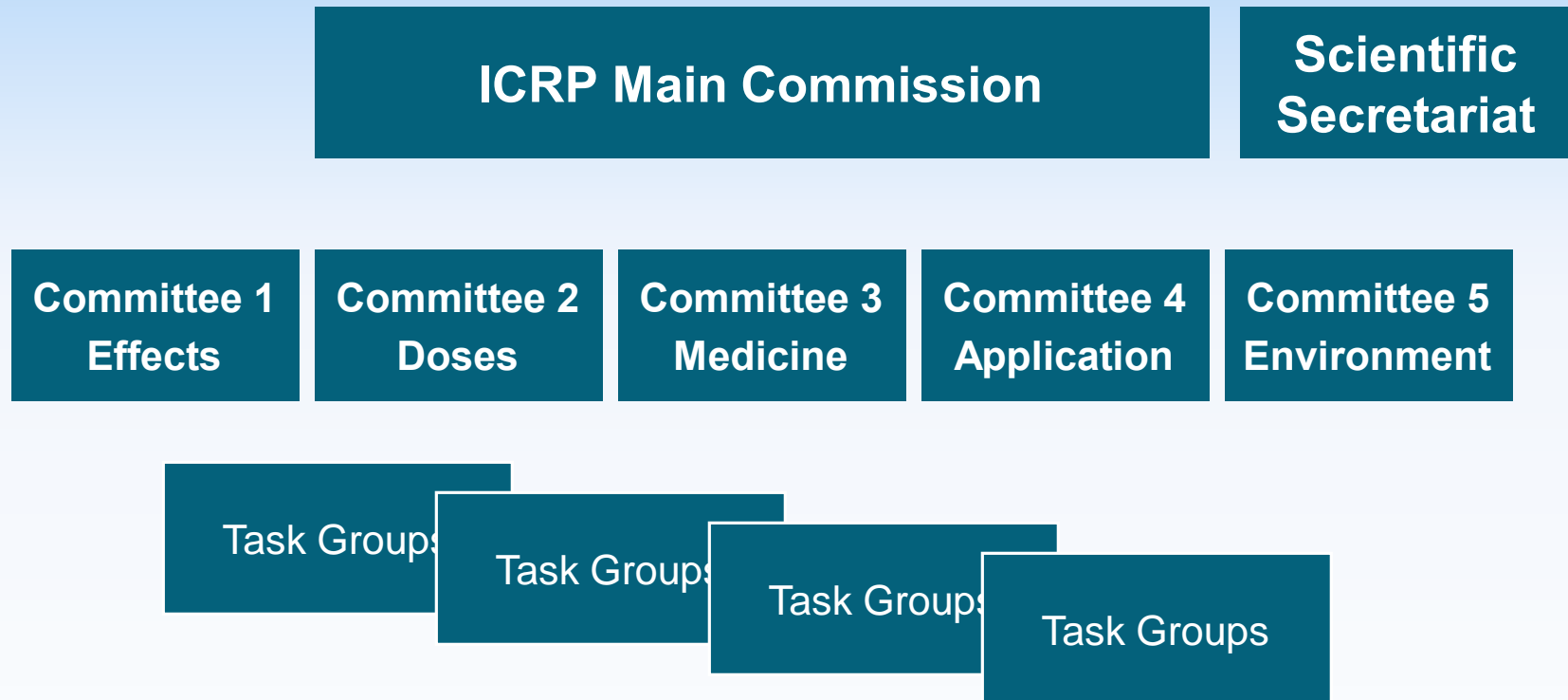


ICRP Present

ICRP

- **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**

ICRP Structure



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

Structure of ICRP, 2013 – 2017

Main Commission

Chair: Claire Cousins, UK

Vice-Chair: Jacques Lochard, FR

11 other members

Scientific Secretariat

Chris Clement, CN

Michiya Sasaki, 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*

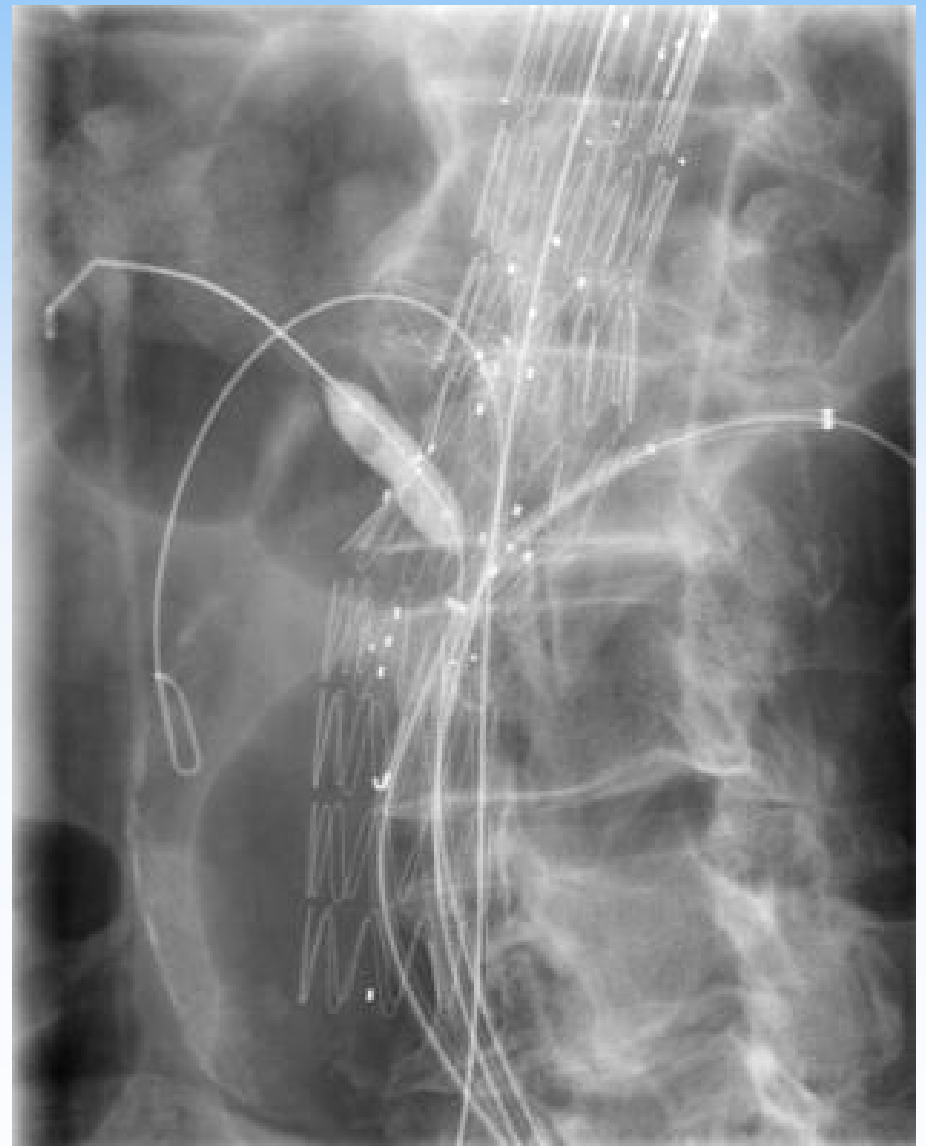
ICRP Chair

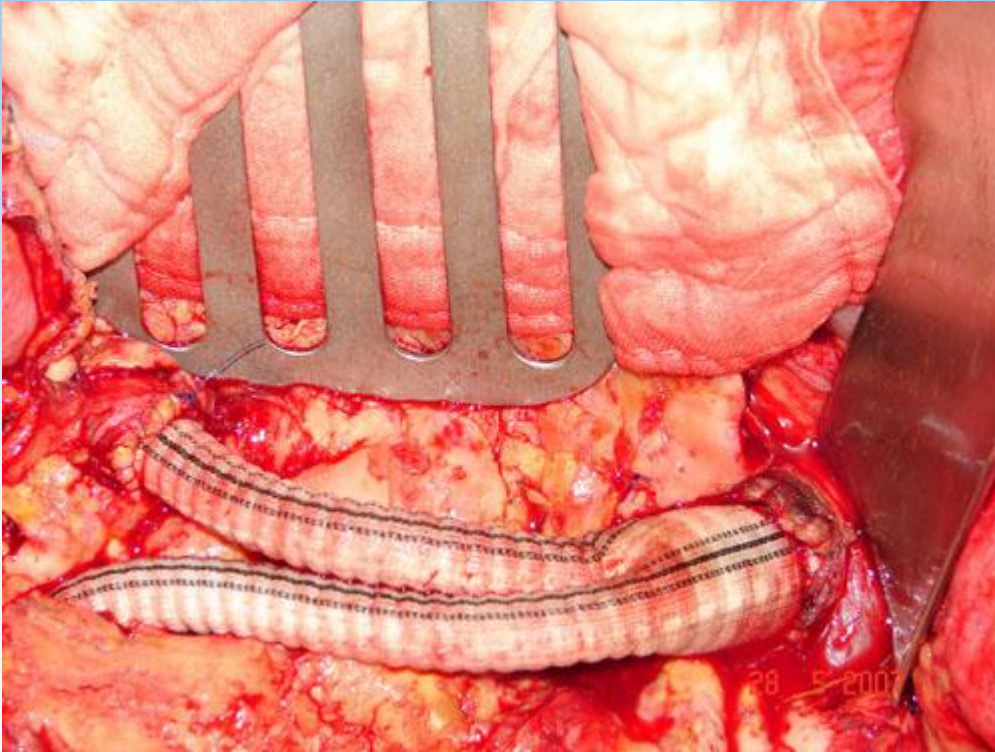
Dr. Claire Cousins:

- **Consultant Vascular and Interventional Radiologist**
- **Addenbrooke's Hospital, Cambridge, UK**
- **Member ICRP since 2001**
- **Chair Committee 3, 2005-2009**
- **Chair ICRP 2009-date**



Endovascular x-ray guided abdominal aortic aneurysm repair (EVAR)





Conventional surgical aortic aneurysm repair

New 2013-2017 Term

- **New Vice-Chair, Jacques Lochard**
- **New Chairmen:**
 - **Committee 2 - John Harrison**
 - **Committee 4 - Donald Cool (from 1st Nov)**
 - **Committee 5 – Carl-Magnus Larsson**

New 2013-2017 Term

- **New Main Commission members:**
 - **Hua Liu, China**
 - **Sergey Romanov, Russia**
- **Almost half of Committee members new**



Chris Clement
Scientific Secretary



Michiya Sasaki
Assistant Secretary



Lynn Lemaire
Executive Assistant

ICRP meetings

- **Main Commission meetings 1-2 times per year**
- **Committee meetings annually**
- **Combined biennial meetings**
- **Task groups (TG) meetings as necessary**

New Developments

- **Strategic Plan 2011 - 2017**
- **ICRP Symposia**
 - **First Bethesda Oct 2011**
 - **Second Abu Dhabi 2013**
- **Election process, nominated members**
- **Change of publisher from 2013**

System of Radiological Protection

232 Members (84 MC + Committees)

123 Numbered publications

22 Active Task Groups

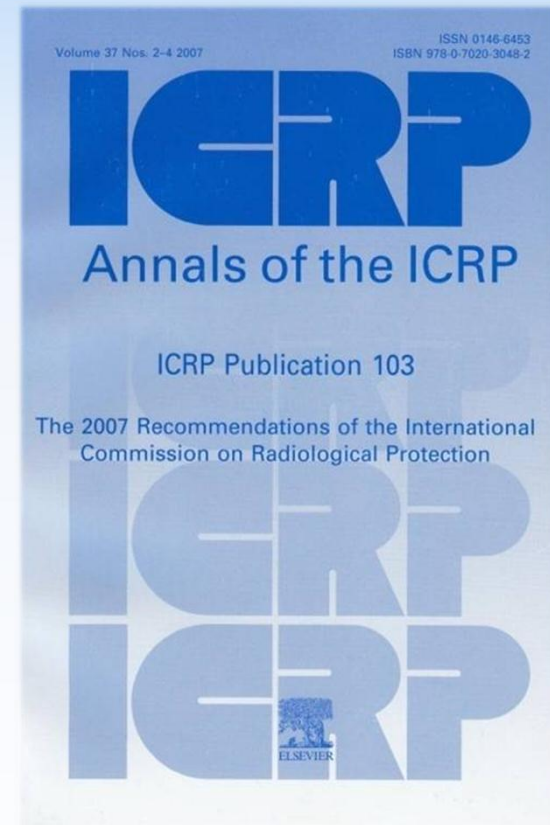
13 Fundamental Recommendations since 1928

5 Standing Committees

1 System of Radiological Protection

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**



Aim of the Recommendations

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



ICRP Considerations

- **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**

ICRP Future

Strategic Plan 2011-2017

Outlines:

- **Background information and historical milestones**
- **Structure of ICRP and Committees, including Task Groups**
- **Operations including members, publications and finances**

Strategic Plan 2011-2017

Includes:

- Strengths
- Challenges facing RP
- Objectives
- Initiatives



Strategic Plan 2011-2017

RP Challenges:

- **Keeping up to date with technological advances in medicine**
- **Non-cancer effects**
- **Natural sources of radiation**
- **Protection of the environment**
- **Maintaining knowledge and expertise in RP**

Strategic Plan 2011-2017

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**

Strategic Plan 2011-2017

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**

Special Liaison Organisations

- **ICRP has long had close relations with several organisations**
- **More organisations have entered RP arena with desire for collaboration**
- **Too many ‘observers’ especially in C4 meetings**

Special Liaison Organisations

- **New system to improve relations**
- **More organisations invited 'Special Liaison' status**
- **Representatives invited to Committee meetings to discuss specific issues and to joint Task Groups to bring expertise**
- **Inclusion in Symposia**
- **Additional meetings with Main Commission**

Future plans

- **As a charity, ICRP does not have large financial reserve**
- **Several planned strategies require capital spend and increased financial resource**
- **Engaged fundraising company, CCS**
- **Planning phase complete**
- **Now embarking on full campaign**

Future plans

- **Publications at low or no cost dependent on fundraising success**
- **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**

Future plans

- **Nearly 200 nominations for new ICRP members; review & refine electoral process**
- **3rd International Symposium being planned in Seoul, Korea 20th - 22nd October 2015**

Conclusions

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
 - evolve
 - address difficult issues
 - interact with both RP professionals, other organisations and the public

ICRP

www.icrp.org