



Report from JCI (Japan Concrete Institute)

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International Forum
Spring 2015 / Kansas City

Brief History of JCI (Japan Concrete Institute)

1886

1904

1915

1945

1965

2000

2015



since 1886

● Architectural Institute of Japan (AIJ)



since 1915

● Japan Association of Civil Engineers (JSCE)



since 1965

● Japan Concrete Institute (JCI)



1891 Nobi Earthquake



1923 Kanto Earthquake



1964 Shinkansen (Bullet train)



1995 Kobe Earthquake



1906 San Francisco Earthquake



1990- Hirise Concrete Buildings



since 1904

● American Concrete Institute (ACI)

Role of JCI, AIJ and JSCE



Japan Concrete Institute

<http://www.jci-net.or.jp>

A non-profit organization, Japan Concrete Institute of Japan (JCI) was founded in 1965, promoted the advancement and development of science, technology and art concerning engineering concrete used for buildings and civil infrastructure.

Research Committees of JCI, about 10 ad-hoc working groups, 7 standing research committees concerning concrete, and 5 standards committees, **promote research activities**. **JCI certification program of authorized concrete engineers as well as concrete diagnosis and maintenance engineers** are also important role in our society.



Architectural Institute of Japan (AIJ)

<http://www.aij.or.jp>

A non-profit organization, the Architectural Institute of Japan (AIJ) was founded in 1886, the major thrust of the which is concerning; **building and architecture**.

Research Committees of AIJ, about 600 sub-committees and working groups under the 16 standing research committees, promote research activities. The results of the research and work are published in the form of **reports, technical standards, specifications and textbooks** and presented in symposia and lectures.

AIJ Design Standard, AIJ Standard Specifications and Guidelines for:

- Structural Design of RC Building
- Structural Design of Steel Buildings
- Structural Design of Timber Buildings
- Standard Specification for Concrete Construction
- Standard Specification for Steel Construction
- and others



Japan Society of Civil Engineers (JSCE)

<http://www.jsce-int.org>

A non-profit organization, Japan Society of Civil Engineers (JSCE) was founded in 1914, the major thrust of the which is concerning; **highway, dam, railway, bridge, tunnel, sewerage system and other civil infrastructure structures**.

Research Committees of JSCE, sub-committees and working groups under the 28 standing research committees, promote research activities. The results of the research and work are published in the form of **reports, standard specification, guidelines** and presented in symposia and lectures.

JSCE Standard Specifications and Guidelines for:

- Basis Structural Design for Public Works
- Concrete Structure Design
- Concrete Structure Maintenance
- Steel Structural Design
- and others



Prehistory of JCI

Inauguration of ACI Japan Chapter

- On February 9th, 1962 it started with about 100 ACI regular members and about 10 corporate members.
- Inaugural address by the Japan chapter president and the vice president were given.



Prof. Kiyoshi Muto

AIJ



Prof. Masatane Kokubu

JSCE

- Dr. Lewis H. Tuthil, President of ACI, was invited.

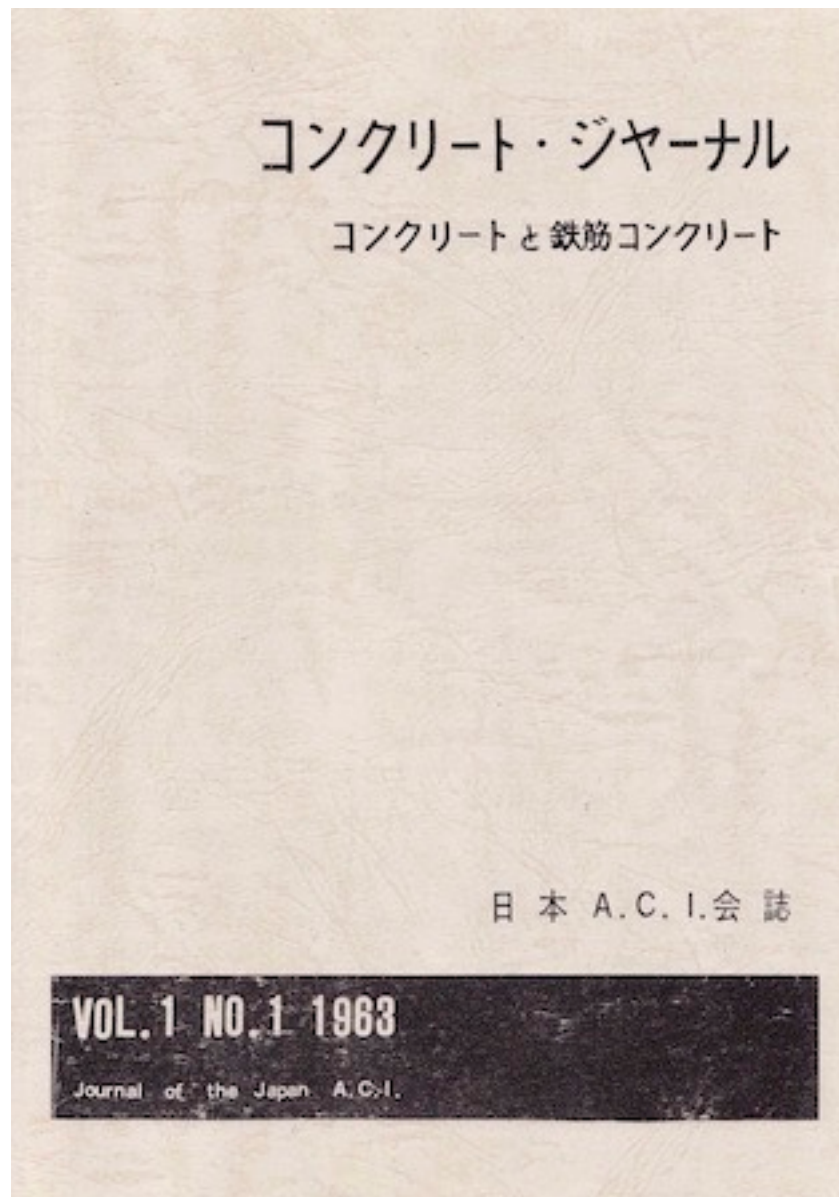


Dr. Lewis H. Tuthil



Prehistory of JCI

Inauguration of ACI Japan Chapter



The first publication for member

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Member fee in unit JPY read in by-laws

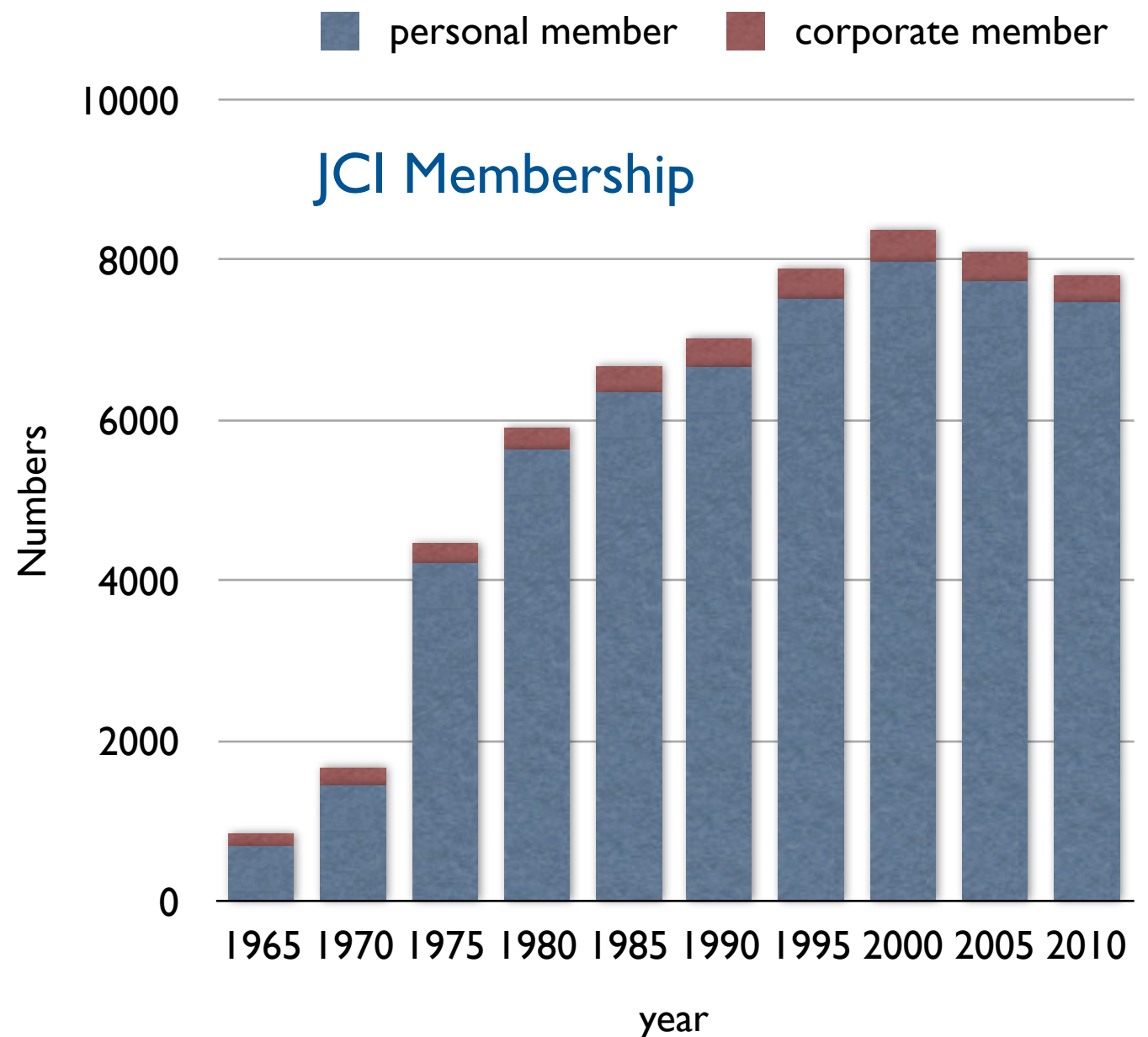
種 別	本会会費	アメリカン・コンクリート・インスティテュート 会 費	計
正 会 員	740円	5,760円(米貨 16ドル)	6,500円
準 会 員	580円	3,600円(米貨 10ドル)	4,180円
学生会員	400円	1,800円(米貨 5ドル)	2,200円
賛助会員	12,000円	48,000円(米貨 135ドル)	60,000円
法人会員	9,600円	23,400円(米貨 65ドル)	33,000円

16 US\$ (ACI) + 2 US\$ (Chapter) / year
for a regular member

History of JCI

Inauguration of Japan Concrete Institute

- Inauguration of Japan National Council on Concrete (JANACC) in 1965, to consolidate the task forces related to engineering concrete and to promote unification and standardization which had been promoted by AIJ and JSCE separately.
- ACI Japan Chapter was dissolved and replaced by the JANACC.
- Prof. Kiyoshi Muto (1903-1989), Professor Emeritus, the University of Tokyo was elected as the first president.
- JNCC was renamed as Japan Concrete Institute (JCI) in 1975
- JCI becomes a national representative body of Concrete Engineering and Technology



Activity of JCI

Publication and JCI member service



Concrete Journal



DVD volume for research paper
presented at JCI Annual Convention



Concrete Research and Technology
(Japanese Journal paper)

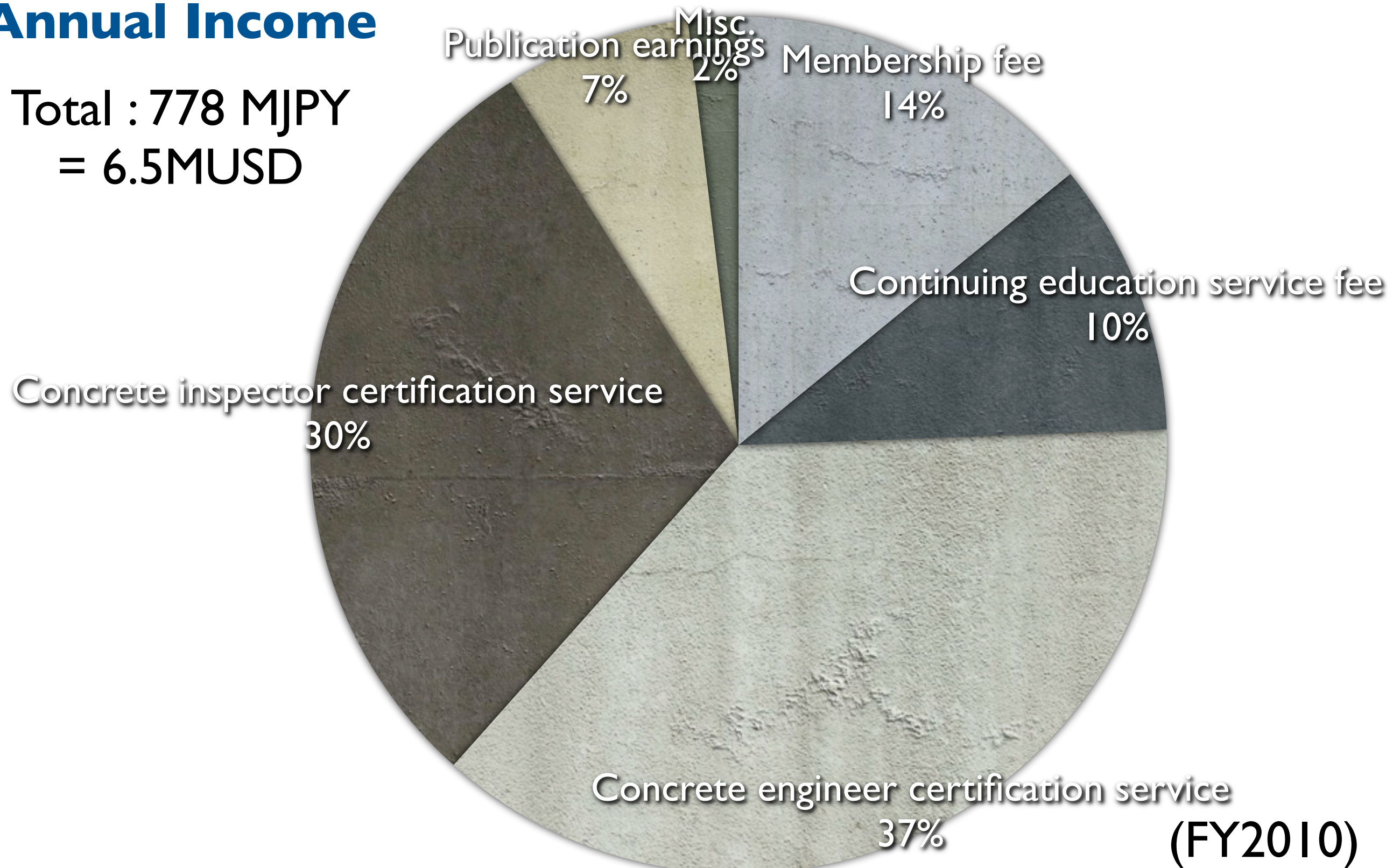


Advanced Concrete Technology
(International Concrete Journal by
JCI)

Annual Budget of JCI

Annual Income

Total : 778 MJPY
= 6.5MUSD

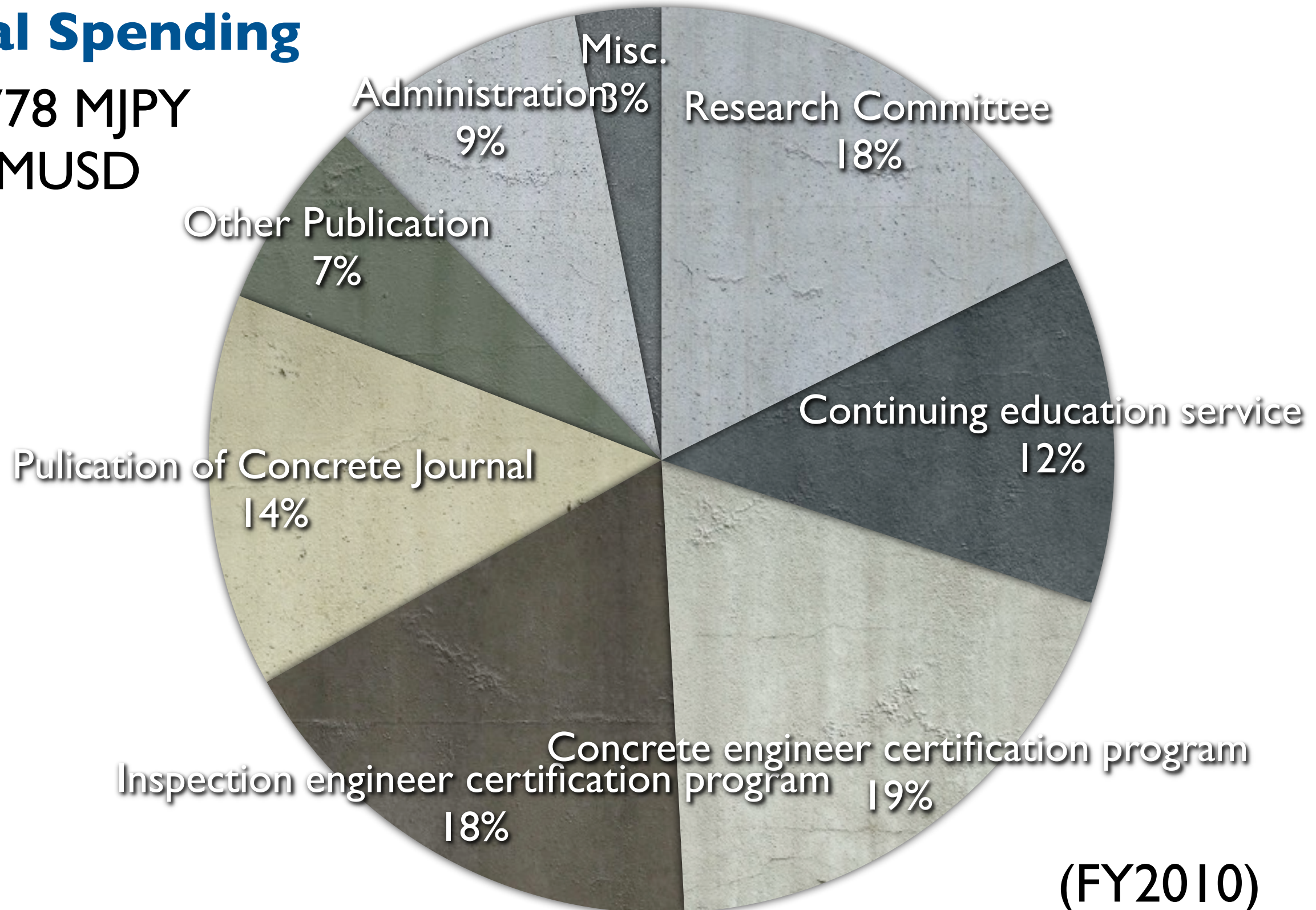


(FY2010)

Annual Budget of JCI

Annual Spending

Total : 778 MJPY
= 6.5MUSD



(FY2010)

50th Anniversary Ceremony of JCI

Detail of the Ceremony

- Date : Sunday July 12, 2015
- Venue : Toshi Center Hotel Tokyo,
- Ceremony 2:00pm-4:30pm
 - Opening Remarks
 - JCI President Address (Prof. H. Mihashi)
 - Addresses by honorable invited guests
 - MITI (Government)
 - METI (Government)
 - President of ACI (Prof. Sharon Wood)
 - President of fib
 - President of ACF, Asian Concrete Federation
 - Introduction of JCI History by Video
 - Awards
 - Closing Remarks
- Commemorative Party 4:30pm-6:30pm



Toshi Center Hotel Tokyo



2-4-1 Hirakawa-cho, Chiyoda-ku, Tokyo 102-0093, Japan

Second ACI & JCI joint Seminar

-Resilience of Concrete Structures-

- Date : Monday July 13, 2015
- Venue : Toshi Center Hotel Tokyo,
- Program 8:50am-4:00pm
 - Session 1 Seismic Design for RC Structures: 9:00am-0:30pm
 - Japan (H. Shiohara, J. Hoshikuma, H. Katsumata)
 - US (Jeff Dragovich, David Sanders, Adolfo Matamoros)
 - Session 2: Health Monitoring and Concrete Structures: 1:30pm-4:30pm
 - Japan (Toru Makita, ????)
 - US (Hani Nassif, Andrew Taylor)



Thank you!



International Forum
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History of JCI ('60-'80)

Calendar year	Organization	JCI Journals/Book	Invited Lectures	Annual Convention	International Activities
1960		63 Launch of <i>Concrete Journal</i>			
	65 Establishment of Japan National Council on Concrete				
	66 JIS Revision Drafting Committee (sub-contracted by Agency of Industrial Science and Technology: Ready-Mixed Concrete, etc.)	68 <i>Latest Concrete Technology</i> educational book	68 First Concrete Practice Seminar (8 cities across the country)		67 Japan-US Science Seminar
1970	70 Concrete Terminology Committee	70 <i>Basics of Concrete Technology '70</i> educational book	71 First Authorized Concrete Engineer Examination and Authorized Chief Concrete Engineer Examination		70 Registered as CEB (Comite Euro-International de Beton) member
	75 Name changed to Japan Concrete Institute	75 Journal name changed to <i>Concrete Technology</i>	72 First Authorized Chief Concrete Engineer Interview Examination		
	75 Cracked Concrete Structure Investigation Committee	76 <i>Key Points of Concrete Technology</i> educational book			
	76 Thesis Screening Committee	76 <i>Concrete Handbook</i> compilation			
		79 <i>Translations of Japan Concrete Institute</i> , a collection of papers in English		79 First JCI Annual Lecture Meeting	
1980	81 Establishment of Science Committee and Research Committee	80 <i>Practical Guideline for Investigation and Repair of Cracked Concrete Structures</i>	83 Creation of Authorized Concrete Engineer and Authorized Chief Concrete Engineer Registration System, establishment of Concrete Engineer Training System		83 Registered as RILEM (Réunion Internationale des Laboratoires et Experts des Matériaux, systèmes de construction et ouvrages) member
		83 Educational video <i>The Facts about Ready-Mixed Concrete</i>			
		86 <i>Recommended Practice for Control of Cracking in Mass Concrete</i>		86 First concrete fair	
		87 <i>Practical Guideline for Investigation, Repair and Strengthening of Cracked Concrete Structures</i>			

History of JCI ('90-'10)

Calendar year	Organization	JCI Journals/Book	Invited Lectures	Annual Convention	International Activities
1990	93 Establishment of Hokkaido Branch and Chubu Branch 94 Establishment of Kinki Branch 95 Establishment of Tohoku Branch 95 Hyogo-ken Nanbu Earthquake Seismic Resistance Investigation Committee 96 Establishment of Kanto Branch and Kyushu Branch 98 Establishment of Chugoku-Shikoku Branch	96 Launch of JCI website		91 Name changed to "JCI Annual Convention"	93 Cooperation Agreement with KCI 94 JCI-KC Joint Seminar in Seoul 97 3rd International Symposium on Non-Metallic (FRP) Reinforcement for Concrete Structures in Sapporo 98 Registered as <i>fib</i> (fédération internationale du béton) member
2000	05 Establishment of Chugoku Branch and Shikoku Branch	03 Launch of <i>ACT</i> 04 Publication of <i>JCI Standards</i> 07 <i>One Hundred Years of Concrete in Japan</i> 08 Renewal of JCI website 08 <i>Recommended Practice for Control of Cracking in Mass Concrete 2008</i>	01 First Concrete Diagnosis & Maintenance Engineer Examination 05 First Concrete Diagnosis & Maintenance Engineer Registration/Training	02 Name changed to "Concrete Techno Plaza" 03 Thesis scanning system	00 US-Japan Symposium on Seismic Retrofit of Concrete Structure 00 JCI-KCI Joint Seminar in Kyungju 02 First <i>fib</i> Congress in Osaka 04 International Partner Agreement between JCI and ACI 04 Establishment of Asian Concrete Federation 05 International Partner Agreement between JCI and IMCYC 06 International Partner Agreement between JCI and IBRACON 08 Concreep8,8HSC/PC 09 ConMat09
2010	11 Became to public interest incorporated association (April 1)				