



ACTUARIAL FORUM

XIAMEN, CHINA

25-26 APRIL 2002

OVERVIEW OF GLOBAL DEVELOPMENTS IN ACTUARIAL EDUCATION



EDWARD J LEVAY

PRESIDENT IAA



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“ EDUCATION.
EDUCATION.
EDUCATION.”

Then, now and in the future ”

ANTHONY CHARLES LYNTON

‘Tony’ BLAIR

PRIME MINISTER - UNITED KINGDOM

Labour Conference 2000





HISTORY OF THE ACTUARIAL PROFESSION



- A profession in evolution
 - 259 years ago first fund established on actuarial principles
Scottish Ministers' Widows' Fund (est. 1743)
 - Profession established 154 years ago in the UK - 1848
Started with Life Assurance and Pensions schemes
 - 45 years ago - General Insurance adopted into the association
 - 14 years ago - Investments & Financial Solutions adopted into the association
Professor Hans Bühlmann – *'the actuary of the third kind'*
 - Current interests & concerns – healthcare & 'wider fields'



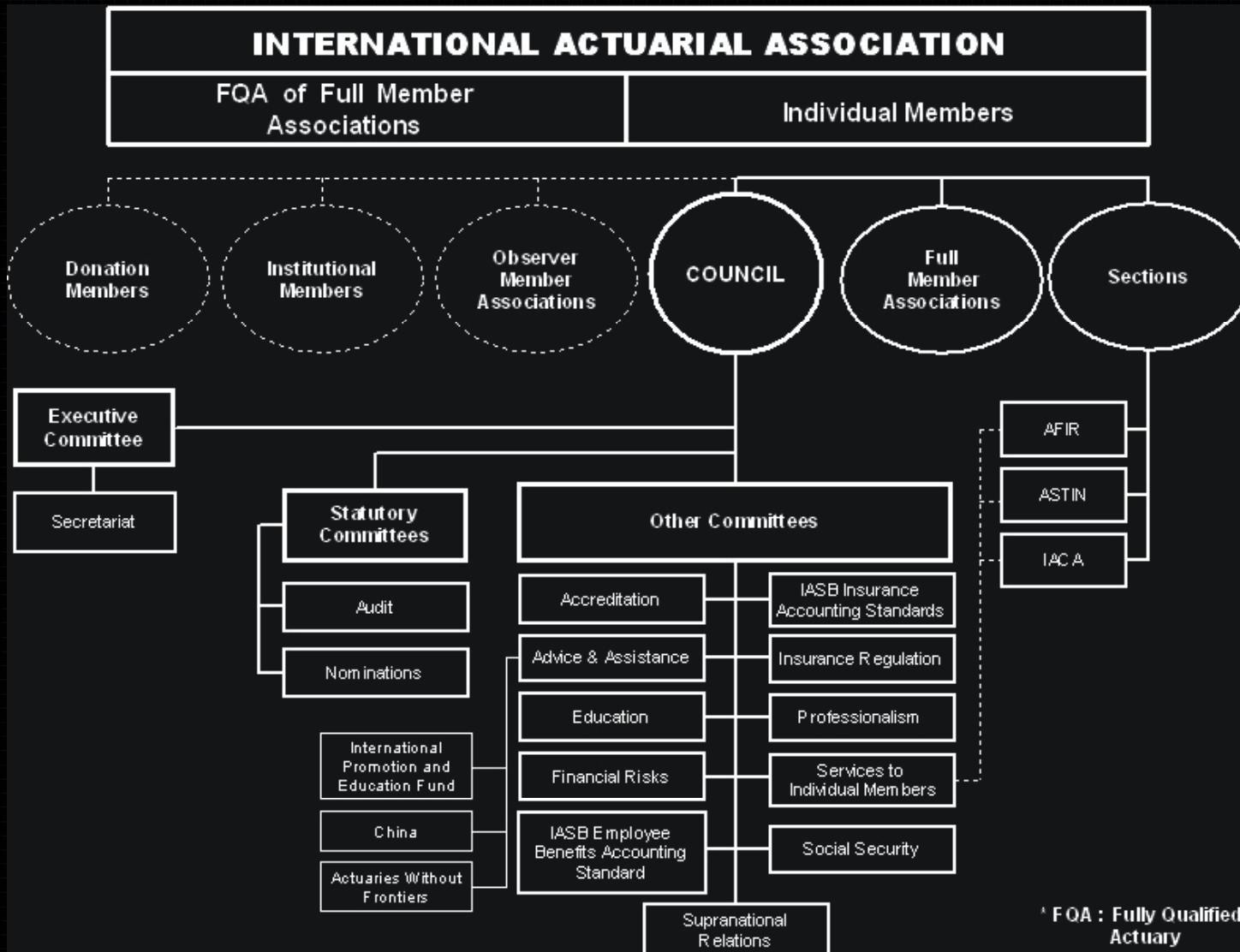
INTERNATIONAL ACTUARIAL ASSOCIATION



- **Founded 1895:** *Comité Permanent des Congrès d'actuares*
Association of individual actuaries
Scientific focus, including congresses
- **1957 ASTIN Section:** *Actuarial Studies in Non-Life Insurance*
- **1988 AFIR Section:** *Actuarial Approach to Financial Risk*
- **1995 IFAA:** *International Forum of Actuarial Associations*
- **1998 The New IAA:** *Actuarial Association of Associations*
- **1999 IACA Section:** *International Association of Consulting Actuaries (founded 1968)*



ORGANISATIONAL STRUCTURE OF THE IAA





IAA COMMITTEES



- Accreditation
- Advice & Assistance
- Public Statements
- Social Security
- Insurance Regulation
- Individual Members
- IASC Insurance Accounting Standards
- IASC Employee Benefits Accounting Standard
(IASC: International Accounting Standards Committee)
- Nominations
- Education
- Audit
- Professionalism
- Executive
- Supranational



IAA EDUCATIONAL COMMITTEE APPROVED DECISIONS



- Education & Accreditation
 - determining whether IAA Education Guidelines and standards are implemented by member associations
- Periodic Review of IAA Syllabus Guidelines
- Globalisation of Education Systems
 - achieve common syllabus and common assessment practices
- Ensure that Member Associations are Adhering to Guidelines



IAA EDUCATIONAL COMMITTEE APPROVED DECISIONS



- Provide a consultative forum for associations developing their education system
- Build & Maintain Referential Databases
 - encourage the dissemination of promising extensions of actuarial practice beyond IAA Guidelines
 - accessible to member associations and emphasising CPD requirements
- Facilitated CPD exchange of information
 - between countries of member associations



IAA CORE SYLLABUS



- To be implemented by 2005
 - Financial Mathematics
 - Probability and Mathematical Statistics
 - Economics
 - Accounting
 - Modelling
 - Statistical Methods
 - Actuarial Mathematics – life, general insurance, pensions & health-care
 - Investment and Asset Management
 - Principles of Actuarial Management
 - Professionalism



WHO ARE WE, AS ACTUARIES?



- Professionals in a discipline which values ability, flexibility, and adaptation.
- ‘Not’ pure mathematicians, statisticians, economists, etc.

We are a combination of all of these



FUTURE DIRECTIONS: A NEW TYPE OF ACTUARY

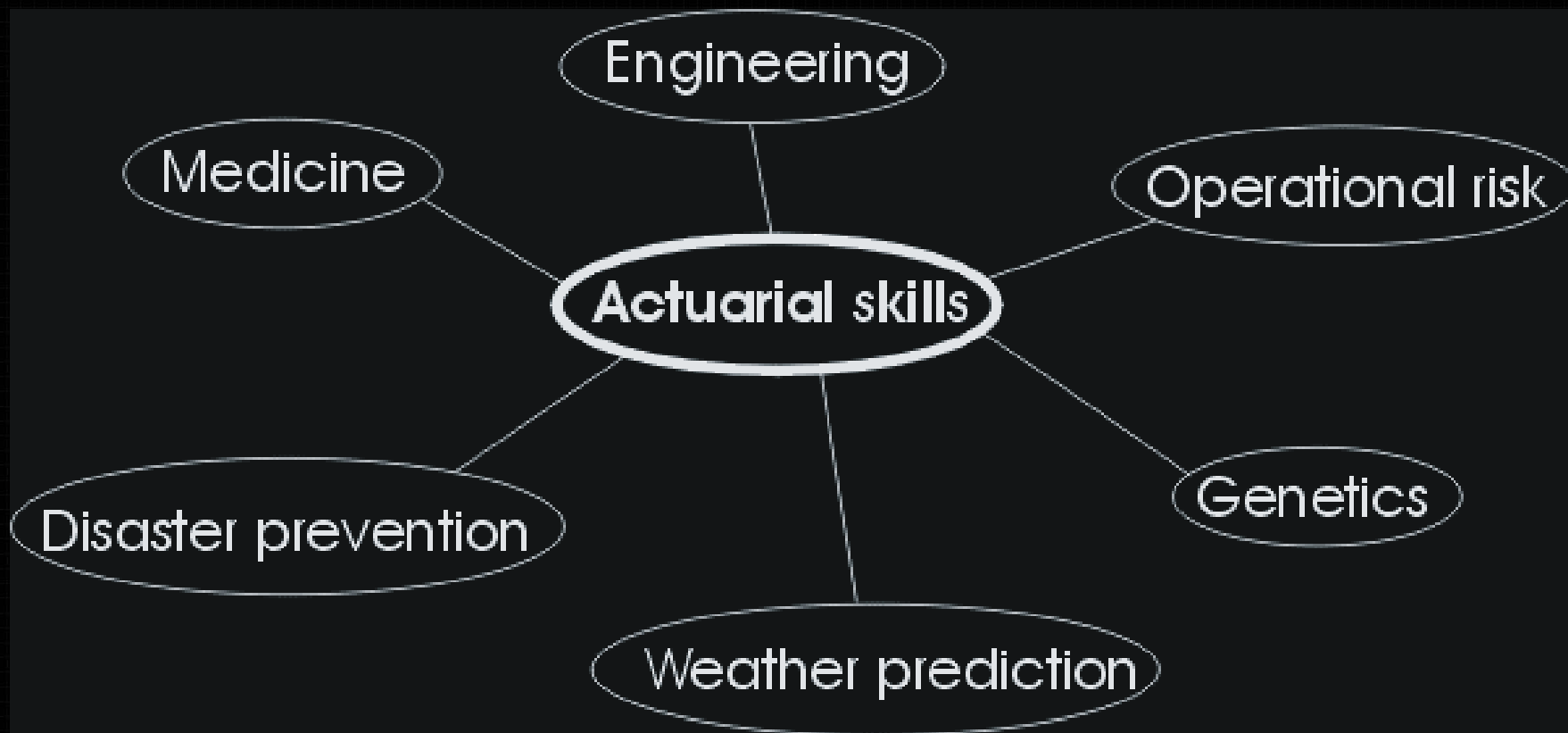


- Combining actuarial skills with the subjects of:
 - Medicine
 - Engineering
 - Genetics
 - Operational risk ...

The MULTIDISCIPLINARY ACTUARY

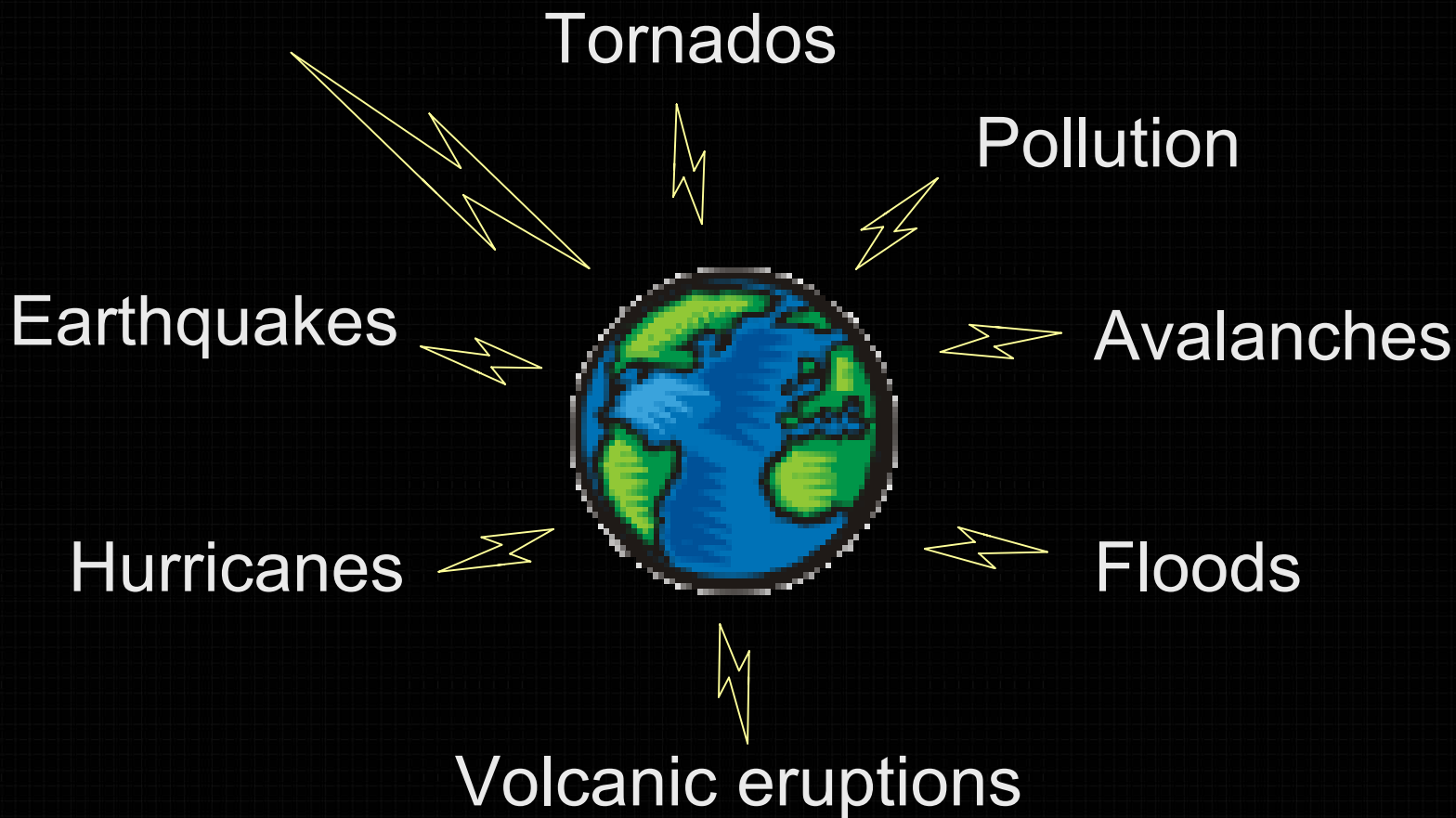


NEW FIELDS FOR THE MULTIDISCIPLINARY ACTUARY





NATURAL DISASTERS, ENVIRONMENT & WEATHER

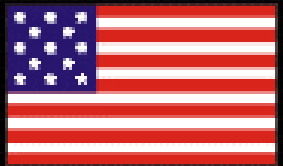




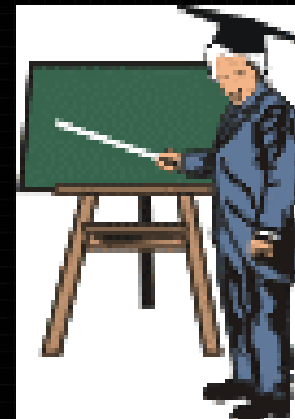
CURRENT PROFESSIONAL DEVELOPMENT REQUIREMENTS



Continuing Professional Development (CPD) in the UK



The American Continuing Education Requirements





CONTINUING PROFESSIONAL DEVELOPMENT IN THE UK

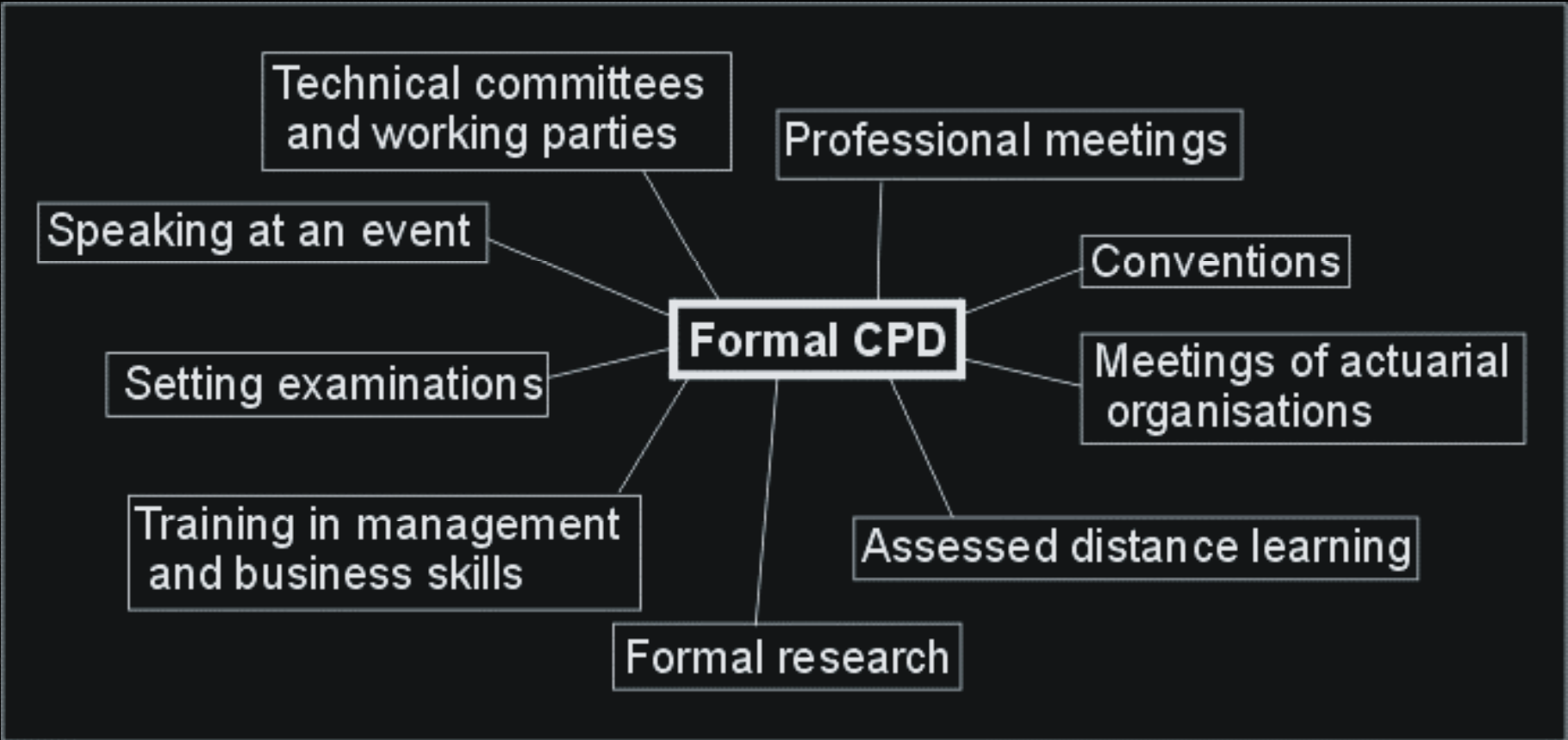


- Requirements:
 - 15 hours of formal CPD per year
 - 52 hours of informal CPD
- Mandatory for those requiring Practising Certificates

(From: The Faculty and Institute of Actuaries CPD Handbook 2000/2001)



FORMAL CPD





INFORMAL CPD



- Reading
- Informal research
- Non-assessed study
- Training on company-specific systems
- Tutoring
- Service on non-technical committees
- Conference organising



AMERICAN CONTINUING EDUCATION REQUIREMENTS



- Requirements of any actuary giving a '*Prescribed Statement of Actuarial Opinion*'
 - Must be relevant to the area in which the actuary is qualified
 - Divided into organised activities and informal activities
 - A minimum of 12 hours per year



“LET’S MAKE THE FUTURE OF OUR PROFESSION”




- Promoting and raising the profile of the profession to attract more *new* members and continue it’s expansion.
- How can this be achieved?
 - Presentations, Seminars, Lectures and Educational Courses & Programmes in *Secondary Schools, Colleges and Universities.*

“Get them young, get them interested”



THE FUTURE



- 
- Innovation
 - Adaptation
 - Extend to a broader horizon
 - The horizon is almost unlimited



BACK TO THE FUTURE



- “ What most impresses people today is the wide range of Leonardo’s talent and achievements. He turned his *attention to many subjects and mastered nearly all. His inventiveness, versatility, and wide-ranging intellectual curiosity* have made Leonardo a symbol of the Renaissance spirit.”
- World Book Encyclopaedia 1999, entry on Leonardo da Vinci, emphasis added



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THANK YOU FOR YOUR
ATTENTION



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