



Profile & Services

SERVING THE MINERAL INDUSTRY
SINCE 1906



THE MINING, GEOLOGICAL & METALLURGICAL INSTITUTE OF INDIA

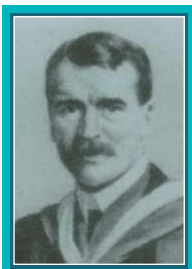
Established 1906

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In Memorium of Founders of MGMI



Inaugural President

Sir Thomas Henry Holland joined GSI in 1890 and became its Director after superseding several senior officers on 25th February 1903. He was only 34 years old. Besides, being instrumental in laying the foundation of Mining and Geological Institute he was responsible for organising the "Geology Department" of Presidency College and "Geology Section" on Indian Museum. He retired in 1909 at the age of 41 to accept Professorship of Geology at Manchester University. He came back to India later as Chairman, Indian Industrial Commission in 1916; became a member of Viceroy's Executive Council in-charge of "Industries and Commerce" in 1919-21. On his return to England he was Rector of Imperial College, Vice Chancellor, Edinburg University, Vice President Royal Society and many other learned societies. His interest in progress of geological research in our country remained till death on 15th May, 1947.



First Honorary Secretary

Mr. W H Pickering was the first Chief Inspector of Mines. He was an outstanding mining engineer and a capable administrator. At the Government level, there was only specialist in mining posted in GSI in 1894. Subsequent to 'Mines Act 1901' the mining was separated from GSI in 1902 and a new Department As "Bureau of Mines Investigation" was created. In 1904 the name was changed to Department of Mines which was shifted from GSI to Pretoria Street Calcutta and subsequently to Dhanbad. One wonder the zeal and drive of a top mining personnel of the Government to spare the energy to convene the meeting on 10 November, 1905 which laid the foundation of **Mining and Geological Institute of India**.

MGMI's Functions graced by some Distinguished Personalities as Guest of Honour include :

- **Lord Minto** was Governor General of India (1905-1910)
- **Lord Carmichael** was Governor of Bengal (1912-1917)
- **Earl of Willingdon** was Viceroy of India (1931-1936)
- **Lord Lytton** (1923), **Sir Stanley Jackson** (1929), **Sir J Anderson** (1935) – Governors of Bengal
- **Sir Frank Noyce** (1936) – Vice President of Indian Council
- **Rear Admiral Earl Mountbatten** (1948) – Governor General of India
- **Shri C Rajagopalachari** (1949), **Shri K V Raghunath Reddy** (1993, 1997), **Shri V J Shah** (2001) – Governors of West Bengal
- **Sir Shanti Swarup Bhatnagar** (1953)
- **Dr. S Radhakrishnan** (1966) – President of India
- **Dr. Zakir Hussain** (1962) – Governor of Bihar and President of India
- **Shri Swaran Singh** (1957), **Shri Manubhai Shah**, **Prof. Humayun Kabir** (1960), **Shri Sanjeev Reddy** (1964), **Shri P C Sethi** (1967), **Dr. Triguna Sen** (1978), **Shri Shah Nawaz Khan** (1972), **Shri P A Sangma** (1992), **Shri Ajit Panja** (1995) – Ministers of Government of India
- **Dr. M S Thacker** (1961) – D.G., CSIR
- **Prof. J Marcais** (1974) – President, Commission for the Geological Map of the World Paris
- **Shri Pranab Mukherjee** (1991), The then Dy Chairman Planning Commission and President of India
- **Shri K D Malaviya** (1954)
- **Dr. Desari Narayan Rao** (2006) Minister of Coal & Mines
- **Shri H C Gupta** (2008), Secretary, Ministry of Coal
- **Mr. Sriprakash Jaiswal** (2010 & 2014), Minister of Coal
- **Shri Pralhad Joshi** (2019), Minister of Coal, Mines & Parliamentary Affairs
- **Mr. Anil Swarup** (2016), IAS, Secretary, Ministry of Coal
- **Mr. Susheel Kumar** (2017), IAS, Secretary, Ministry of Coal
- **Ms. Katarzyna Kacperczyk**, Minister of Foreign Affairs, Dr Jerzy Witold Pietrewicz, Minister of Economy (2014), Mr. Radoslaw Domagalsky Labedzki (2016), Dy. Minister of Development, Republic of Poland,
- **Mr. Tim Martin** (2016), Trade Commissioner, Mr Andrew Ford (2019), Australian Consul General
- **HE Milan Hovorka** (2017-2019), Ambassador, Embassy of Czech Republic
- Others – Ministers of Govt. of India and many other eminent personalities

Profile of The Mining, Geological & Metallurgical Institute of India

Background Information

▶ The initiative for formation of the Institute was taken by Mr. W H Pickering the then Chief Inspector of Mines in India. In his venture to form the Institute Mr. Pickering received encouragement and help from Mr. T H Holland, FRS, (later Sir Holland) the then Director of the Geological Survey of India. They thought that Geologists and Mining Engineers are brothers and it was natural that they should unite.

On 16th January, 1906, the Inaugural Meeting was held at Chotanagpur Mounted Rifles Club, Asansol. Mr. T H Holland, the Director, Geological Survey of India, was elected the first President of the Institute and Mr. W H Pickering, the Chief Inspector of Mines, was elected the first Hony. Secretary.

The Institute was incorporated under the Indian Companies Act, 1882, on the 16th September 1909. By a special resolution in an Extraordinary General Meeting of the Members of the Institute held on 22nd October 1937, the word "Metallurgical" was added in the Institute's name and thus the Institute was renamed as "The Mining, Geological & Metallurgical Institute of India (MGMI)".

Purpose and Scope of the Institute

▶ The Institute was established with the object of promoting "the study of all branches of mining methods and of mineral occurrences in India, with a view to disseminating the information for facilitating economic development of the mineral industries in the country". The Institute has been recognized as a Scientific and Industrial Research Organisation (by the Department of Scientific and Industrial Research, Govt. of India) through which the technical and scientific community could, to their mutual benefit, discuss fully the problems which would continuously arise in the mineral industry.

Objectives

▶ To advance and protect the interest of the mineral industries and the welfare of those engaged therein and to assist maintaining an honourable practice in the professions of Geology, Mining, Metallurgy and allied subjects connected with the mineral industry of the country.

For details visit our Website : www.mgmiindia.in



MGMI National and International Events & Activities

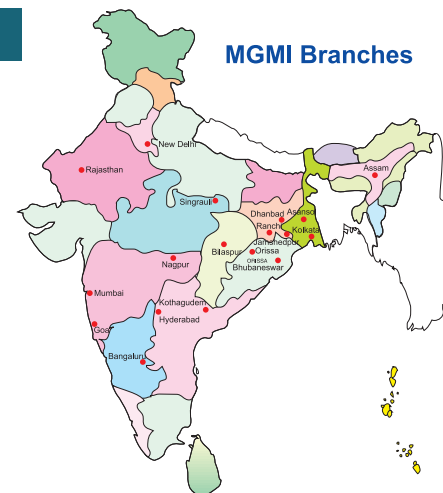
MGMI fulfils its objectives to encourage, assist and extend knowledge and information connected with Geology, Mining, Metallurgy, through organising technical lectures, discussion etc., by holding Seminars, Conferences (National and International), Technical Meeting, Tours, Publication of regular Journals, Transactions, News Journals and Scientific Research works.

MGMI Conference & Exhibition



MGMI Headquarters and Chapters

The Institute's Headquarters is in **Kolkata** and has **18 Branches** at Asansol, Assam, Bangalore, Bhubaneswar, Bilaspur, Dhanbad, Goa, Hyderabad, Jamshedpur, Kolkata, Kothagudem, Mumbai, Nagpur, New Delhi, Orissa, Rajasthan, Ranchi and Singrauli.



Members, Expertise available

Member

- MGMI is a member of Central Geological Programming Board (CGPB), GSI
- MGMI is a member of Indian National Committee of World Mining Congress (INC-WMC)
- Global Methane Initiative (GMI) considered MGMI as Partner Organisation

Expertise

- Mining
- Metallurgy
- Excavation
- Geology
- Engineers and other Professionals associated with Mining Industry

Involvement of Institutions & Organisations

- Coal Mining Companies
- Geological Exploration Agencies
- Metal Mining Companies
- Oil & Gas Companies
- Private Entrepreneurs
- Educational Institutions

Some of them include **former & present**

- Chairman, CMDs, Director and other senior officials of **CIL, BCCL, CCL, NCL, MCL, SECL, ECL, CMPDI, UCIL, HCL, HZL, NLC, NTPC, NMDC, ONGC, SCCL**, and other PSUs and Private Companies
- Director General, Dy. DG's (Geology & Geophysics), Director & Senior Officers of GSI
- Controller General, Senior officials of IBM
- Scientists of CSIR Laboratories, Professors of different educational institutes viz. IITs, ISM, NIT, Govt. & Private Universities, Technical Institutes

Three thousand members



Capabilities, Services and Expertise

Mining

- Mine Planning & Design
- Computerised Project Monitoring
- Environmental Management Planning
- Environmental Audit
- Coal & Mineral Beneficiation
- Executive Development
- Training of Mine personnel
- Mine Safety aspects
- R & D work related to Mining Problems
- Safety Audit

Geological

- Geological Mapping
- Exploration Strategies and Supervision
- Resource Assessment
- Engineering Geology
- Environmental Impact Assessment and Environmental Management Plan
- Water Resource Assessment
- Independent Evaluation of Annual & Plan Programmes of Geological and Mining Activities

Conferences, Seminars, Workshops ect. Organised by MGMI

International Conferences

- Productivity and Mine Mechanization (1990)
- Small Scale Mining (1991)
- Management of Mine Mechanization in India and Aboard (MMM 1992)
- Roof Support Technology in Mines – Present and Future Trends (1992)
- Asian Mining Conference (1993)
- High Production Technology for Underground Mines (1996)
- Business and Investment Opportunities in Mining / Industry (BIMI 1996)
- International Conference on Opencast Mining (Opencast 1998)
- International Conference on Management of Mining Machinery (MMM 1999)
- International Conference on Mining and marketing of Mineral (MMM 2000)
- Mechanization and Automation in Mineral Industry (MAMI 2001)
- Mineral Industry : Issues on Economics, Environment and Technology 2002 (MEET 2002)

- Emerging Challenges in Mining Industry (ECMI 2003)
- Future of Indian Mineral Industry : Challenges & Opportunities (FIMI 2004)
- Asian Mining Towards a New Resurgence (AMC 2006)
- Asian Mining Congress : Solution for Development and Expansion (AMC 2008)
- Asian Mining Congress : Resurgence of Mining in Asia : Prospects and Challenges (AMC 2010)
- Asian Mining Congress : Sustainable Mining in Asia – Challenges and Opportunities (AMC 2012)
- Asian Mining Congress : Scenario of Mining in Asia and Investment Opportunity (AMC 2014)
- Asian Mining Congress : Resurgence of Mining Industry in Asia (AMC 2016)
- Asian Mining Congress : International Cooperation in Innovative Technology for growth of Mineral Industry (AMC 2017)
- Asian Mining Congress : Green Mining : The Way Forward (AMC 2019)

National Seminars

- Mechanized Longwall Working – Its Present and Future Potential under Indian context (1990)
- Mines Rescue – the Organization and its Role (1991)
- Computer Application in Mining Industry (1993)
- New Finds of Coal Resources – Potential and Mining Possibilities (1993)
- Environmental Policy Issues in Mineral Industry (1993)
- Mine Productivity and Technology (1994)
- Mechanization for Profit in Mining (1994)
- Maintenance Management for Improved Availability of Mining Machinery (1995)
- Information Technology in Mineral Industry (1997)
- Marketing of Indian Coal and its Challenges ahead (1998)
- System Capacity utilization in Mines (1999)
- Development of Indian Mineral Industry Looking Ahead (DIMI 2003)
- Bridging the Demand-Supply Gap for Indian coal Industry (DSG 2005)
- Raw Material Security for the Steel Industry - Challenges Ahead (RMSSI 2010)
- Energy Security for the Future Challenges Ahead (ESF 2011)
- Sustainable Development of Energy Sector : Challenges Ahead (SDES - 2012)
- Business & Investment Opportunities in Mineral Industry (BIMI – 2013)
- Development of Technology for Growth of Mineral Industry : Vision 2020 (DGMI – 2014)
- National Seminar Indian Mining Industry-Challenges Ahead (IMICA – 2015)
- Environmental and Social Impact of Mining and Mitigation thereof (ESIMM - 2016)
- Management of Excavation Stability (MES – 2018)

Exhibitions

- International Mining Exhibition 2006
- International Mining Exhibition 2008
- International Mining Exhibition 2010
- International Mining Exhibition 2012
- International Mining Exhibition 2014
- International Mining Exhibition 2016



- International Mining Exhibition 2017
- International Mining Exhibition 2019

Workshops

- Workshop on Disaster Prevention Management with Coal Companies
- 1st Workshop at Calcutta (1996)
- 2nd Workshop at Mahanadi Coalfields (1996)
- 3rd Workshop at Asansol (1997)
- 4th Workshop at Nagpur (1997)
- Workshop on Turnaround Stories of Coal Companies and Future Strategies at Calcutta (2006)
- Mining Engineering Education : Re-Orientation Needs (MIN-ED 1998)
- Hard Roof Management (1999)
- Coal Beneficiation & Development of Coal Derivatives (CBD 2007)
- Corporate Social Responsibility in Mineral Industry – The Challenges (CSRMIC 2008)
- Indian Mining Sectors : Policies and Constraints (IMPC 2009)

Short Term Course

- Information Technology Essentials in Mining Industry (2011)
- Short Course on Mining for non-Mining Executives (2015)
- Short Term Course on Sustainable Development of Mineral Resources – Exploration vis-a vis Environment
- Short Term Course on Technical for Safety Enhancement in Mines (2018)
- Short Term Course on Global Environment and Greenhouse Gases from Energy Systems : Estimations and Mitigation (GEM 2020)

Awards and Medals

Four coveted Awards and Medals presented every year by the Institute for various outstanding activities in addition to Students' Awards are as follows:

- MGMI Award of Excellence for Coal Mining – for outstanding contribution in Coal Mining Industry
- MGMI Award of Excellence for Non-Coal Mining – for outstanding contribution in Non-Coal Mining Industry
- MGMI Award of Excellence for Earth Sciences – for outstanding contribution in any branch of Earth Science and Mineral Engineering
- Best Technical Paper published in MGMI Transactions for every Calendar year

Awards and Medals for the Best Students of various Universities and Institutions are:

- Chandrakala Medal for Mining Engineering in IIT, Kharagpur
- Dr. Hari Narain Medal for Applied Geophysics of Indian School of Mines, Dhanbad
- Hayden Medal for Applied Geology of Indian School of Mines, Dhanbad
- Hadfield Medal for Metallurgy of B.H.U.
- Indranil Award for Metallurgy of IIT, Kharagpur and B. E. College, Shibpur
- J. Coggin Brown Memorial Cash Award for Geology of Presidency College, Calcutta
- La-Touche Medal for Geology, B. H.U.
- McNally Bharat Medal for Mineral Engineering of Indian school of Mines, Dhanbad
- Nava-Bharat Medal for Mining Machinery of Kothagudem School of Mines, Osmania University
- Neyveli Lignite Medal for Opencast mining of Indian School of Mines, Dhanbad
- Oil India Medal for Petroleum Engineering of Indian School of Mines, Dhanbad
- Pickering Medal for Mining Engineering of Indian School of Mines, Dhanbad
- Robertson Medal for Mining Engineering of B.H.U.
- SCCL Medal for Mining Engineering of Kothagudem School of Mines, Osmania University
- Shivlal Medal for Mining Engineering of B. E. College, Shibpur
- Smt. Nirja Sahay Medal for Applied Geology of IIT, Kharagpur



Honourable **Presidents**

1906-07	Sir Thomas H Holland	1940-41	W Kirby	1975-76	SL Chakravorty
1908-09	W Miller	1941-42	HK Nag	1976-77	HB Ghosh
1909-10	HG Graves	1942-43	JA Dunn	1977-78	AN Banerjee
1910-11	S Heslop	1943-44	RA MacGregor	1978-79	AB Dasgupta
1911-12	Sir Ralph Ashton	1944-45	B Wilson Haigh	1979-81	GS Marwaha
1912-13	GF Adams	1945-46	H Crookshank	1981-82	RN Sharma
1913-14	S Thomson	1946-47	JK Dholakia	1982-83	HS Ahuja
1914-15	Col FJ Agabeg	1947-48	WD West	1983-84	RG Mahendru
1915-16	Sir Henry Hayden	1948-50	LJ Barraclough	1984-85	TN Jaggi
1917-18	RGH Bathgate	1950-51	DN Wadia	1985-86	S K Bose
1918-19	Lt Col FG Hughes	1951-52	J Sanjana	1986-87	B Singh
1919-20	GC Lathburg	1952-53	MS Krishnan	1987-89	Prof Ajoy Kumar Ghose
1920-21	RR Simpson	1953-54	LS Corbett	1989-90	KL Luthra
1921-22	G Miller	1954-55	PK Ghosh	1990-91	MP Narayanan
1922-23	Sir Lewis Fermor	1955-56	RP Sinha	1991-92	Shyam Kishore Chowdhary
1923-24	ES Tarlton	1956-57	JW Whittaker	1992-93	Prof Sakti Pada Banerjee
1924-25	Sir Edwin Pascoe	1957-58	SS Grewal	1993-94	Bharat Bhusan Dhar
1925-26	HD Coggin	1958-59	BC Roy	1994-97	Upendra Kumar
1926-27	EH Robertson	1959-60	ML Shome	1997-98	Sunit Kumar Ghosh
1927-28	Rai Bahadur AC Banerjee	1960-61	VP Sondhi	1998-00	Subodh Kumar Sen
1928-29	CS Middlemiss	1961-62	GS Jabbi	2000-02	Gautam Kumar Jha
1929-30	FLG Simpson	1962-63	FG Massmann	2002-03	Naresh Kumar Sharma
1930-31	J Thomas	1963-64	AG Jhingran	2003-04	Abdul Kalam
1931-32	LH Bartlett	1964-65	BH Engineer	2004-06	Virendra Kumar Singh
1932-33	D Penman	1965-66	Dara P Antia	2006-08	Rajendra Prasad Ritolia
1933	H Lancaster	1966-67	SK Nargundkar	2008-10	Nirmal Chandra Jha
1933-34	FG Percival	1967-68	GC Chaterji	2010-12	Ranjan Kumar Saha
1934-35	WH Bates	1968-69	RG Deo	2012-14	Tapas Kumar Lahiry
1935-36	Sir Cyril Fox	1969-70	WB Metre, GS Mishra	2014-16	Animesh Nandan Sahay
1936-37	R Purdy	1970-71	TB Malhotra	2016-18	Dr Narendra Kumar Nanda
1937-38	AM Heron	1971-72	KZ George	2018-20	Anil Kumar Jha
1938-39	A Farquhar	1972-73	MK Roy Choudhury	2020-22	P M Prasad
1939-40	JB Ross	1973-75	S Bagchi		

Honourable Secretaries

1906-07	WH Pickering	1938-39	Sir Cyril Fox	1971-72	HK Bose
1907-08	HG Carver	1939-40	AL Coulson	1972-76	SK Baksi
1909-10	HH Hayden	1940-41	RB Whitehead	1976-78	RP Bhatnagar
1910-11	AH Pringle	1941-42	JB Auden	1978-79	NK Mukherjee
1911-16	AH Reynolds	1942-44	PK Ghosh (Sr)	1979-84	Jagadish Prasad Goenka
1917-22	EH Robertson	1944-45	A Reid	1984-88	Ratan Prakash Bhatnagar
1923-24	J Coggin Brown	1945-47	AK Dey	1988-91	Nihar Kumar Mukherjee
1925-29	J Thomas	1947-54	PK Ghosh (Sr)	1991-95	Ratan Prakash Bhatnagar
1930-31	ELG Clegg	1954-59	RK Dutta Roy	1995-99	Lab Kumar Bose
1931-32	L Diamond	1959-60	Prof SK Bose	1999-2003	Joy Prakash Dasgupta
1932-33	ELG Clegg	1960-61	PK Ghosh (Jr)	2003-07	Dr Debasish Sarkar
1933-34	AI Couldon	1961-64	SK Sircar	2007-09	Prof Subhas Chandra Ray
1934-35	ER Gee	1964-69	PK Ghosh (Jr)	2009-13	Dr Debasish Sarkar
1935-37	B Wilson Haigh	1969-70	SL Chakraborty	2013-17	Prasanta Roy
1937-38	JA Dunn	1970-71	PK Dasgupta	2017-21	Rajiw Lochan

Honorary Editors

1906-07	E H Robertson	1933-35	L L Fermor	1972-75	R K Sundaram
1907-08	H G Carver	1935-36	L L Fermor, A M Heron	1975-76	R P Bhatnagar
1908-09	H H Hayden	1936-38	A M Heron	1976-77	R K Sundaram
1909-10	H H Hayden, H A Pringle	1939-40	A M Heron, E R Gee	1977-80	B N Sinha
1910-11	—	1940-43	E R Gee	1980-81	N D Mitra
1911-12	H A Pringle	1943-45	E J Bradshaw	1981-82	H K Bose
1912-13	H H Hayden, F C Hughes	1945-48	P K Ghosh (Sr.)	1982-84	R N Misra
1913-14	H H Reynolds	1948-50	M S Krishnan	1984-86	S P Banerjee
1914-15	—	1950-51	D M Smith	1986-87	G B Misra
1915-16	H Walker	1951-52	A M N Ghosh	1987-88	D K Mitra
1916-17	L L Fermor	1952-53	K Jacob	1988-91	J P Goenka
1917-20	H H Hayden	1953-56	A M N Ghosh	1991-92	S C Roy
1920-21	E H Pascoe	1956-58	B C Roy	1992-94	N D Mitra
1921-22	—	1958-60	A G Jhingran	1994-95	H N Srihari
1922-24	E H Pascoe	1960-61	P C Hazra	1995-96	S K Verma
1924-25	L L Fermor	1961-63	A G Jhingran	1996-02	A Choudhury
1925-30	E H Pascoe	1963-67	C Karunakaran	2002-07	K P Ghosh
1930-31	L L Fermor	1967-70	P V Rao	2007-17	B C Bhattacharya
1931-32	L L Fermor, A M Heron	1970-71	P K Ghosh (Jr.)	2017-21	Dr. K Pathak
1932-33	A M Heron	1971-72	P C Hazra		



List of Special Publications

Progress of the Mineral Industry* (Golden Jubilee Vol. :1906-1956)	1956
Dr. D. N. Wadia Commemorative Volume*	1965
Small Scale Mining in India and Abroad*	1991
New Finds of Coal in India– Resource Potential and Mining Possibilities	1993
Computer Application in Mineral Industry	1993
Indian Mining Directory (4thEdition) *	1993
Asian Mining	1993
Mine Productivity &Technology	1994
Maintenance Management for Mining Machinery*	1995
High Production Technology for Underground Mines*	1996
Mineral Industry Development in India-Issues Perspective& Policy	1996
Disaster Prevention Management for Coal Mines, Vol. I	1996
Disaster Prevention Management for Coal Mines, Vol. II	1996
Business and Investment Opportunities in Mining Industries(BIMI'96)*	1996
Indian Mining Directory(5thEdition)	1996
Information Technology in Mineral Industry	1997
Technological Advances in Opencast Mining	1998
Management of Mining Machinery	1999
Mining & Marketing of Minerals	2000
Mechanization & and Automation in Mineral Industry	2001
Mineral Industry : Issues on Economics, Environment and Technology	2002
Development of Indian Mineral Industry Looking Ahead	2003
Emerging Challenges in Mining Industry	2003
Future of Indian Mineral Industry-Challenges & Opportunities	2004
Bridging the Demand-Supply Gap for Indian coal Industry (DSG2005)	2005
Indian Mining Directory(6th Edition)	2006
Turnaround Stories of Coal Companies and Future Strategies	2006
Reprints of Holland Memorial Lecture	2006
Asian Mining Towards a New Resurgence(AMC2006)	2006
Glimpses from Transactions	2006
Centennial Treasure A Collection of Selected Holland Memorial Lectures	2006
Glimpses of 100 years of MGMI	2006
Coal Beneficiation & Development of Coal Derivatives*	2007
2nd Asian Mining Congress*(Vol I&II)	2008
Glimpses of Hundred years of MGMI of India(1906–2006)	2008
3rd Asian Mining Congress(Vol I&II)	2010
4th Asian Mining Congress	2012
5th Asian Mining Congress	2014
6th Asian Mining Congress	2016
7th Asian Mining Congress	2017
8th Asian Mining Congress	2019

* Out of stock

Regular Publications

MGMI Transactions – Published Yearly	
MGMI News Journal – Published Quarterly	