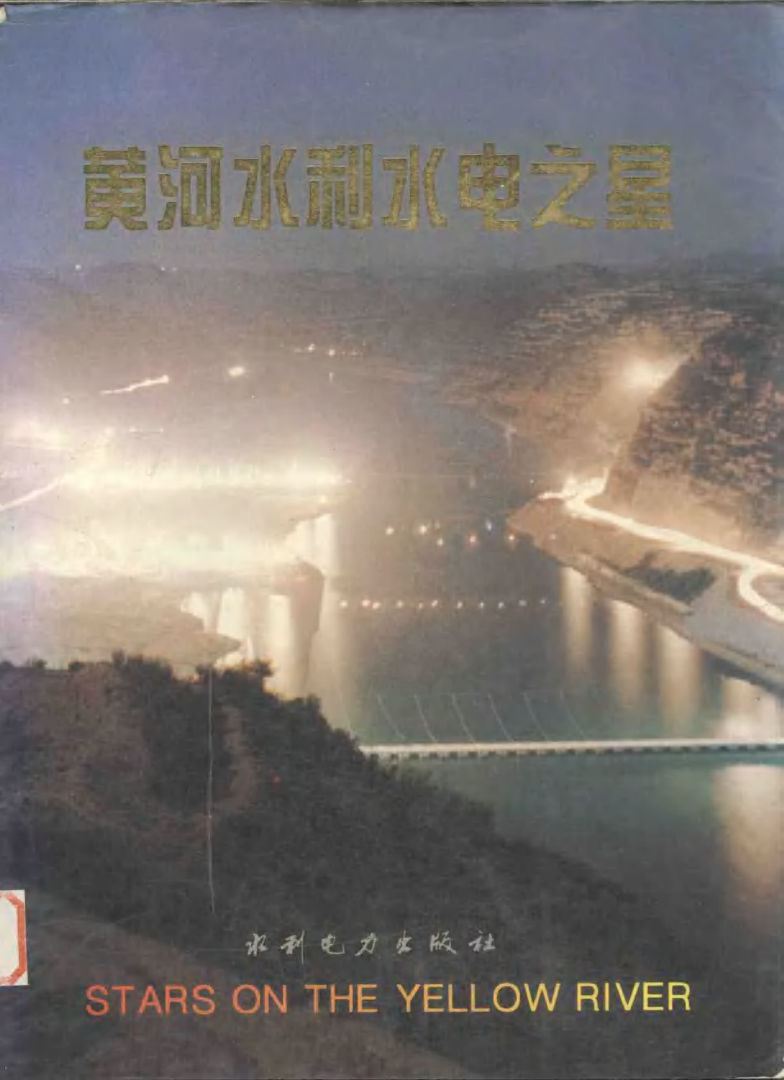


黄河水利水电之星



水利电力出版社

STARS ON THE YELLOW RIVER

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黄河水利水电之星

STARS ON THE YELLOW RIVER

黄河水利委员会《黄河水利水电之星》编辑组

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序

黄河不仅是中国的大河,也是世界上独具特色的大河。作为中华民族的摇篮河,她以其博大的胸怀哺育了一个伟大的民族。黄河流域始终在我国的经济、文化繁衍中占据着重要的地位,但是由于不断地决口和改道,也成为中华民族的“忧患”。新中国成立后,防御黄河洪水,开发黄河水利水电资源作为我国国民经济建设的重要组成部分,得到党和国家的高度重视,先后在流域内设立了从中央到地方的各级各类水利水电建设、管理、科研、教学等机构,在黄河干支流上修建了数以千计的大、中、小型水利水电工程。黄河洪水得到有效控制,她的水利水电资源开始造福人民。

在四十多年的建设实践中,锻炼成长了一支具有较强技术实力的水利水电建设队伍。过去,他们在治黄建设中付出了艰辛的劳动,作出了巨大的贡献。现在,他们正面临着新的机遇与挑战。改革开放的浪潮,使黄河流域的经济面貌和人民的思想观念发生巨大的变化,黄河水利水电工作者也正在迈进一个新的时代。

在这种形势下,黄委会编辑、出版这本《黄河水利水电之星》大型画册,是很有意义的一件事。这本书辑录了黄河流域的一批水利水电单位,他们期望投身于社会主义市场经济的浪潮,在前进中开辟出更加广阔的道路,为国家和人民作出更大的贡献。我祝愿黄河水利水电的璀璨明星,把这片古老的土地照耀得更加光明。

孙正英
1994年12月一日

PREFACE

The Yellow River, with its own characteristics, is not only one of the largest rivers in China, but also one of the largest rivers in the world. As the mother river of the Chinese Nation, the Yellow River with its breadth of mind fostered a great nation. The Yellow River Basin has always played an important role in the economic and cultural development of China, but due to its frequent dyke breachings and avulsions, it was also "the sorrow of China". Since the founding of new China, the Party and Government attach great importance to flood control and the development of water and hydropower resources of the Yellow River as an important constituent of the national economy. Various kinds of construction, management, research, education and other units of water conservancy and hydropower at central or local levels have been successively established in the Basin, and thousands of small, medium and large sized water conservancy and hydropower projects have been built on the main Yellow River and its tributaries. Floods have been effectively put under control, its rich water and hydropower resources begin bringing benefit to the people.

During the past more than 40 years of harnessment practice, a water and hydropower construction force with strong technical strength has grown up. In the past four decades, they had experienced all kinds of hardships in the harnessment of the Yellow River and made great contributions. Now, they are facing new opportunities and challenges. Great changes have taken place in the economy of the Yellow River Basin and in people's ideology. Staff and workers in water conservancy and hydropower sectors of the Yellow River Basin are forging ahead toward a new era.

In this new situation, the publication of *Stars on the Yellow River*, a large picture album by Yellow River Conservancy Commission, is very significant. It has compiled a number of water conservancy and hydropower units, which expect to throw themselves into the tidal waves of socialist market economy and open a broader path in progressing, thus, to make more contributions to the country and people. I wish the brilliant stars on the Yellow River will illuminate the old land much brighter.

Qian Zhengying

December 1, 1993

前言

在我国实行对内经济搞活,对外经济开放的形势下,黄河流域各級水利水电部门面临着新的机遇与挑战,此时,《黄河水利水电之星》大型画册与读者见面了。它首次以流域为区划,以图文并茂的表现形式反映了不同专业、不同层级的水利水电建设单位的工作成果、技术实力以及在改革开放中取得的新成绩。这列入编的 134 个单位,他们正期待着面向社会,积极投入市场经济大潮锻炼发展自己,愿这本画册有利于把他们推向大处。

本画册的编排,是按照隶属关系从中央到地方,从下游到上游,分系统,分省区的原则进行的,力求保持各省区流域系统的完整,并便于查阅。

在策划和编辑过程中,得到水利部、水利部黄河水利委员会及山东、河南、山西、陕西、内蒙、宁夏、甘肃、青海等沿黄省区水利水电部门的大力支持和积极协助。参加组稿的人员主要有:山东省水利厅的李平、王玉山,河南省水利厅的李德武、张进平,山西省水利厅的叶庆庚、高建民,陕西省水利厅的王剑明,内蒙古自治区水利局的周长健、周晓静,宁夏回族自治区水利厅的恰双,甘肃省水利厅的杨毅,青海省水利厅的张占君、云希,山东黄河河务局的火来旺,河南黄河河务局的吕雨林、张伟中。《人民黄河》编辑部负责组织全书的编辑出版工作,参加编辑的人员有:宋兰琴、张惠敏、骆尚新、吕洪予、梅和奎、许立新、陈升辉、杨国顺、胡志扬、荆东亮、李艳霞。装帧设计:卢朝霞、郭琦。英文翻译:张学清、贾敏、龙鹤舞。由于本画册的摄影作者众多,为便于版面布置和全书的一致,将已提供的摄影作者一并列于书后。

本画册的编辑出版还得到《中国水土保持》编辑部、《黄河·黄土·黄种人》杂志社等单位的协助,在此一并致谢!

由于水平有限,加之时间仓促,书中差错在所难免,敬请批评指正。

编 者

1993 年 12 月 20 日

INTRODUCTION

China is now in the situation of vitalizing economy and opening up to the outside world, water conservancy and hydroelectric power departments at various levels in the Yellow River Basin face new opportunities and challenges. Just at the time, the picture album *Stars in the Yellow River* comes to the readers' eyes. It is the first to take a river basin as a whole to introduce, in the form of pictures and accompanying essays, water conservancy and hydroelectric power units at different levels and in different fields as well as their work, achievements, technical strength and new progress made in the process of reform and opening up. Compiled in this book are 184 units, they all look forward to facing the society and throwing themselves into the spring tide of market economy to steel and develop themselves. We hope this picture album will be helpful to push them into the sea.

The order of compilation is arranged from central to local departments, from lower reaches to upper reaches according to the subordination, trying to give a full view of units subordinate to different systems and provinces.

During the planning and editing of this picture album, we get great support from the Ministry of Water Resources, Yellow River Conservancy Commission of the MWR, and water conservancy and hydroelectric power departments in Shandong, Henan, Shanxi, Shaanxi, Inner Mongolia, Ningxia, Gansu and Qinghai Provinces or Autonomous Regions. The following people have done elaborate work in organizing the manuscripts: Li Ping and Bian Yushan of Shandong Provincial Water Conservancy Bureau; Li Dewu and Zhang Jinping of Henan Provincial Water Conservancy Bureau; Ye Qingchou and Gao Jianmin of Shanxi Provincial Water Conservancy Bureau; Wang Jianming of Shaanxi Provincial Water Conservancy Bureau; Jiang Changshu and Shang Xiaojing of Water Conservancy Bureau of Inner Mongolia Autonomous Region; Ha Shuang of Water Conservancy Bureau of Ningxia Hui Autonomous Region; Yang Yi of Gansu Provincial Water Conservancy Bureau; Zhang Zhenjun and Yun Yong of Qinghai Provincial Water Conservancy Bureau; Huo Laisheng of Shandong Provincial Yellow River Engineering Bureau; Yue Rulin and Zhang Weizhong of Henan Provincial Yellow River Engineering Bureau. The Editorial Board of the *Yellow River* is responsible for the management of compilation and publication of manuscripts of the whole book, and the major participants are Zhu Lanqin, Zhang Sijing, Luo Xiangxin, Liu Hongyu, Mei Heying, Xu Lixin, Chen Shenghui, Yang Guoshun, Hu Zhiyang, Jing Dongliang, Li Yanxia; artistic designed by Lu Lili and Guo Qi. The translation is accomplished by Zhang Xueqing, and revisions and proof-reading are carried out by Long Yujian. The book involves a large number of pictures, in order to make it convenient for book layout, the names of photographers are listed in the back page.

We are also grateful to the assistant of the Editorial Board of the Journal of Soil and Water Conservation in China and the Publisher of the Magazine of *Yellow River Yellow Earth Yellow Race*.

As time and resources are limited, mistakes may not be entirely avoided. The Editorial Board of *Stars in the Yellow River* sincerely welcomes your comments.

Editor
Dec. 20, 1993

山东黄河河务局

SHANDONG YELLOW RIVER ENGINEERING BUREAU



河务局局长李善润

Director of the Bureau, Li Shanrun

在上级扶持和群众积极努力下,三区(东平湖区、南北展宽区、黄河滩区)的治理开发成效显著,兴建了一批水利灌溉工程,开发了一些工农业项目,三区面貌得到了改善,人民生活水平有了显著提高。

近几年该局各项工作成绩显著,连续四年被黄委会评为目标管理先进单位,受到水利部和黄委会的表彰奖励。

地址:山东省济南市青龙后街 45 号
邮编:250013

山东黄河河务局下设 11 个直属单位,辖 9 个地、市河务局。其中各类技术人员 1877 名,高级技术人员 59 名。山东黄河河务局担负着 628km 黄河河道的防汛、防凌以及各类工程管理的任务。

新中国建立以来,该局遵照除害兴利的治黄方针,对黄河进行了大规模治理,完成投资 20 多亿元,加高培厚了各类堤防 1440km,石化了 98 处险工,整治了河道,修建了东平湖等蓄滞洪工程,保障了山东黄河岁岁安澜。同时,积极开发利用黄河水利资源,兴建引黄灌区 54 座,灌溉农田近 200 万公顷,不仅保证了山东沿黄地区农业丰收,还为济南、青岛、东营等大中城市提供了工业和生活用水。此外,该局还积极组织对泥沙利用的研究,利用黄河泥沙筑路固堤,筑路改土,烧制建材等项目均获得了较好的经济效益。截止 1993 年 6 月,淤滩修育固堤防 470km,淤改土地 16 万多公顷,使山东沿黄大片淤滩盐碱地变成了肥沃的良田。



河务局领导成员主持召开山东治黄工作会议
Leaders of the Bureau are presiding over a meeting discussing Yellow River harnessment affairs

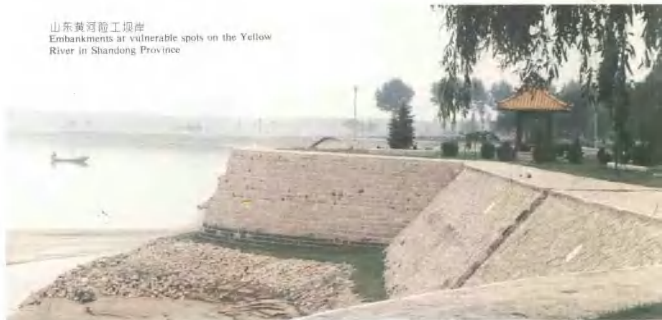


山东黄河大堤
Yellow River dikes in Shandong Province



抗洪抢险
Flood fighting

山东黄河险工堤岸
Embankments at vulnerable spots on the Yellow
River in Shandong Province



Shandong Yellow River Engineering Bureau has 11 directly subordinate departments and has jurisdiction over 9 city or prefecture river engineering bureaus. Employing 9120 staff and workers among which 1877 are technical personnel with 59 senior professionals. The Bureau is responsible for flood prevention and ice run control of 638 km of Yellow River course, the maintenance and construction of various kinds of works.

Since the founding of new China, the Bureau has done large scale harnessment of the Yellow River, heightening and strengthening 1440 km of embankments, finishing stone ma-

sonary works at 98 vulnerable spots, construction of Dong-ping Lake flood diversion works. The Bureau had also built 54 Yellow River water diversion sluices, irrigating 2 million hectares of farmland, supplying water for industrial production and daily consumption of people in Jinan, Qingdao, Dongying and other cities.

Address: Jinan, Shandong Province

Postcode: 250013

综合经营推动了种养植(殖)业的发展

Comprehensive operation promotes the development of
planting and aquaculture industries



引黄灌区粮棉大丰收
Good harvest of grain and cotton in the irrigation area
diverting water from the Yellow River

河南黄河河务局

HENAN YELLOW RIVER ENGINEERING BUREAU

河南黄河河务局是河南黄河河道的主管机关,现有职工 10350 人,其中各类专业技术人员 1462 人,具有高中级职称的 306 人,主要负责黄河河南段的治理与开发。

新中国成立以来,在党和政府的领导下,该局全体职工艰苦奋斗,团结治水,彻底扭转了黄河“三年两决口”的局面,确保了河南黄河 40 多年的安澜。尤其近几年来,在党的改革开放方针指引下,该局在搞好黄河防洪的同时,大力开发黄河水土资源,面向社会开展服务。除承担水利工程的规划、设计、施工任务外,对防洪抢险、河道整治、围网、道路、桥梁和工业民用建筑的施工也开展了服务,特别是大口径灌注桩基础工程的施工具有丰富的实践经验。局属黄河工程局是建设部批准的国家一级资质企业,它所承建工程多次荣获“优质工程”,其中郑州黄河公路大桥中段桩基工程荣获国家银质奖。黄河机械修造厂生产的 HC-2.5A 型、Z.3B 型铲运机具有挖、装、卸、运多种功能;生产的 YJ360 型全液压级配式挖泥船,排距 1500m,淤泥量达 80m³/h。

河南黄河河务局愿与国内各界真诚合作,承建前来洽谈开发项目。

地址:河南省郑州市金水路 12 号
邮编:450003



局长叶宗笠
Director of the Bureau. Ye Zongli

Henan Yellow River Engineering Bureau. Staffed with 10350 employees among whom 1462 are technical personnel with 266 senior and middle level professionals experienced in various fields. is a competent authority mainly responsible for the harnessment and development of the Yellow River within Henan Province. For decades of years, staff and workers of the Bureau have made united painstaking efforts in river training, ensuring the safety of the Yellow River in Henan Province. The Mechanical Construction Division of the Bureau is a first grade state owned enterprise. projects built by the Division such as the middle section foundation project of Zhengzhou Yellow River Highway Bridge had won State Silver Medals.

Address: Zhengzhou. Henan Province
Postcode: 450003



该局经营公司林木加工厂一角
A view of the Tung Timber Processing Mill



该局工程公司正在进行基础桩基施工
The Engineering Co. of the Bureau is constructing pile foundation



该局工程公司承建的郑州市金博大工程工地
The construction site of Jinba Great City in Zhengzhou which is built by the Engineering Co.

黄委会黄河上中游管理局

UPPER & MIDDLE YELLOW RIVER ADMINISTRATIVE BUREAU, YRCC



局长孟庆梅
Director of the Bureau, Meng Qingmei

黄委会黄河上中游管理局(原名为黄委会黄河中游治理局)始建于1980年,是黄委会的派出机构,同时也是黄河中游水土保持委员会和晋陕蒙接壤地区水土保持工作协调小组的办事机构。基本任务是:以水土保持为中心,以严重水土流失区为重点,全面协调管理黄河上中游地区青、甘、宁、蒙、晋、陕、豫七省区黄河流域的水土保持预防监督、科学规划和开发治理工作;开展黄河上中游水

域水资源及河道管理;全系统现有职工866人,其中工程技术人员450多人,随机关设职能处室11个,下辖天水、西峰、绥德三个水土保持科学试验站,代管黄委会临潼黄河职工疗养院。

建局以来,该局系统地开展了黄河上中游地区水土保持综合调查研究与经验总结,重点流域、试点流域的治理和治理骨干工程实施,以及流域规划、水土保持、沙棘种植与开发利用等方面的工作。对黄土高原水土保持工作的健康发展起到了积极的推动和保证作用,获得了一批有价值的成果,其中主持完成的《黄土高原水土保持专项治理规划》已通过国家审查并逐步实施,四大重点治理区第一期工程通过部级验收;试点小流域综合治理成果处于国内领先水平;三大水土保持科学试验站取得了一批有较高水平的科研成果,有26项成果获国家、省(部、委)级科技进步奖,50项成果获地市级以上奖励,这些科研成果在黄土高原治理中被普遍推广应用,效果显著。

近年来,该局逐步强化了水土保持预防监督、执法监察工作,全面贯彻水土保持预防为主的路导方针,并开展了水土保持资源调查和引进外贸项目的管理工作,初步建成了黄土高原水土保持预防监督、规划、治理、科研一体化的管理体系。

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甘肃省景泰县堡子湾试点小流域治理景观
Landscape of the Baizigou experiment small watershed
in Zhuanglang County of Gansu Province

青海小高陵梯田一瞥
Terraces in Xiaogaling of Qinghai Province



内蒙古境内有草场护坡的骨干坝
One of the key dams in Inner Mongolia Autonomous Region. The slope is protected by grasses.



天水水土保持科学试验站培育的“黄河1号”早熟沙打旺新品和“Huanghe 1”, new species of adsurgens which matures quickly bred by the Tianshui Water and Soil Conservation Experiment Station

黄委会黄河上中游管理局

UPPER & MIDDLE YELLOW RIVER ADMINISTRATIVE BUREAU, YRCC



山西吉县的荒坡育林
Forest breeding on barren hillsides in Jixian County of Shanxi Province

绥德水土保持科学试验站在韭园沟试验区修建的淤沟工程
Gully control works built in Jiuyuangou experiment area by
Suide Water and Soil Conservation Experiment Station





西峰水土保持科学试验站的人工降雨径流试验场
Experiment plot fed by artificial rain in the Xifeng
Water and Soil Conservation Experiment Station

Formerly known as the Yellow River Middle Reaches Administrative Bureau and founded in 1980, the Bureau is a dispatched office of the Yellow River Conservancy Commission of the Ministry of Water Resources. It is also the executive office of the Middle Yellow River Water and Soil Conservation Commission and the executive office of the Water and Soil Conservation Coordination Group for the Shanxi, Shaanxi & Inner Mongolia Bordering Area. The fundamental task of the bureau is focusing on the serious soil loss area and taking severe erosion area in priority to carry on water policy, water resources and river management to promote the rational utilization and comprehensive development of water and land resources, and to do overall coordination work in the prevention, supervision, research, planning, harnessing and development of soil conservation in Qinghai, Gansu, Ningxia, Inner Mongolia, Shanxi, Shaanxi and Henan Provinces and Autonomous Regions in the upper and middle Yellow River basin. Staffed with 866 personnel, among which 450 are engineering professionals. Subordinate to the Bureau are 11 departments and 3 soil conservation experiment stations located respectively in Tianshui, Xifeng and Suide.

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水土保持监督检查人员在现场检查
Supervision officials working on the spot for enforcing
the Water and Soil Conservation Law

黄委会水文局 黄河流域水资源保护局

黄河水利委员会水文局、黄河流域水资源保护局是主管黄河水文、水资源保护工作的两个机构，负责黄河水文测验、水文气象预报和水文、水资源、水环境的勘测、监测、评价、保护工作，二局合署办公。下设技术处、水费处、水费保护处、电子计算机室等职能部门，二级机构有上海、中游、三门峡库区、河南、山东五个水文水资源局和水资源保护科学研究所、水环境监测中心。现有科技人员 1180 人，其中高级职称的 85 人，中级职称的 320 人。拥有电子计算机系统、水情气象自动遥测传输系统、定位仪、气(液)相色谱仪等现代化仪器设施以及水利系统唯一通过国家计量认证的水质分析实验室，还有达国内先进水平的大型流速仪校正槽和含沙量可达 400kg/m^3 的库水模拟试验设施等，持有水利部颁发的水文、水资源调查评价甲级证书和国家环保局颁发的环境影响评价甲级证书。

近年来，除完成上级下达的任务外，积极开展综合经营和科技咨询服务，取得了良好的社会、经济效益。以

研究水利水电自动化监测仪器为主的雷达新技术研究开发中心研制的 HS-1060 系列超声波测深仪，1992 年获全国科技成果展览会金奖，目前正在生产销售；文源工程公司在开封黄河公路大桥、310 国道黄河大桥、京九铁路黄河大桥等施工中连续中标；三门峡、花园口两个造船厂可承担中小船舶的修造；大中计算机公司可面向社会承担各类软件开发项目；在区域水资源评价和环境评价、地形、河道、大坝、渡桥及工程测量等科技咨询服务方面，也取得了显著成效。

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局机关大院
Courtyard of the Bureau



计算机机房一角
A view of the computer room.



造船厂生产现场
Ship building factory



水文工作人员正在接收处理实时雨水情信息
Hydrographers are receiving and disposing real time rainfall and water information.



文源工程公司在开封黄河公路大桥施工
Wenyuan Engineering Co. is constructing
Kaifeng Yellow River Highway Bridge.

BUREAU OF HYDROLOGY OF YRCC, BUREAU OF YELLOW RIVER WATER RESOURCES PROTECTION

The two Bureaus, located in the same compound, are mainly responsible for hydrologic service of the Yellow River water resources, including hydrometry, hydrological and meteorological information and forecasting, as well as the reconnaissance, monitoring, evaluation and protection of water resources and environment. Scientific and technical staff total 1180, out of which 375 are senior and middle level professionals. Equipped with computer system, automatic hydrological information translation and transmission system, positioning instrument, gas (liquid) chromatography, large current meter calibration tank and other modern instruments and equipment as well as the only water quality laboratory in the water conservancy sector honored with state recognized certificate in water quality analysis, the Bureaus hold Category A certificates for investigation and evaluation of hydrology, water resources and environmental effects.

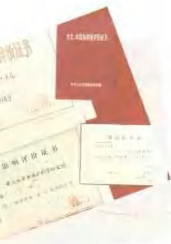
Address: Zhengzhou, Henan Province
Postcode: 450004



测海测量型(左上角为该局研制的超声波测深仪)
Surveying boat (in the up-left is the supersonic sounding
device developed by the Bureau) used in estuarine area



气象工作人员正在进行天气资料的接收和分析预报工作
Meteorologists are receiving, analysing and forecasting meteorological data



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