



Snowdon Mountain Railway

Georgie Rogers



Snowdon Mountain Railway:

Snowdon Mountain Railway ,1999 *The Snowdon Mountain Railway* Keith Turner,1973 **The Snowdon Mountain Railway** Peter Johnson,2021-12-30 The Snowdon Mountain Railway is one of the great narrow gauge railways of North Wales with thousands of visitors travelling to the summit of Mount Snowdon along the line each year This book covers the history of this historic and interesting line from its beginnings in the 1890s through to the present day The author Peter Johnson has been writing about narrow gauge railways for many years and has a deep knowledge of the lines in North and Mid Wales The Snowdon Mountain Railway is an important part of the tourist industry in North Wales and plays a vital part in providing transport in this popular and much visited area This volume looks at the narrow gauge railway s history and development taking in the present and future development of this fascinating line s operation **Snowdon Mountain Railway** ,1994

The Snowdon Mountain Railway Owen James Morris,1951 **An Illustrated History of the Snowdon Mountain Railway** Peter Johnson,2010 TRAINS RAILWAYS GENERAL INTEREST The Snowdon Mountain Railway is unique amongst Britain s railways quite literally a Swiss mountain rack and pinion railway translated to the grandeur of Snowdonia to ascend Wales highest peak Snowdon Built in 1895 by the Snowdon Mountain Tramroad Hotels Company it is usually best remembered for the tragic accident that occurred on the first day of public operation in 1896 It overcame that awful event and has established a well earned place as one of the most popular tourist railways in Wales Less than five miles long with gradients as steep as 1 in 5 5 and climbing from Llanberis 350 above sea level to a station 50ft below the 3 560ft summit the 800mm gauge Snowdon Mountain Railway regularly attracts over 120 000 passengers a year Snowdon Mountain Railway Travelogue Peter Crew,Snowdon Mountain Railway Limited,1977 **Snowdon Mountain Railway Souvenir Brochure** Snowdon Mountain Railway,2014 *Snowdon Mountain Railway, Llanberis* Snowdon Mountain Railway,197? **Snowdon Mountain Railway, Llanberis** Norman Jones,1997-12-01 **Snowdon Mountain Railway ... Third Edition. [With Illustrations.]** Patrick Leonard John Cosnett Ransome WALLIS,1964 **Snowdon Mountain Railway** Patrick Ransome-Wallis,1964 **The Way to the Stars** Keith Turner,2005 **On The Rack** ,2007 **Snowdon Mountain Railway** Peter Crew,1971 **The Only Mountain Rack Railway in the British Isles** Snowdon Mountain Railway,1970

A Description of the Ascent of Snowdon by the Mountain Railway Peter Crew,1979 **The Railway Times** ,1896

Railway Journeys: Exploring the World by Train Georgie Rogers, Discover the world from the comfort of a train with Railway Journeys Exploring the World by Train This comprehensive guide takes you on a global adventure through the most iconic scenic and luxurious train routes From the romance of the Venice Simplon Orient Express to the breathtaking landscapes of the Rocky Mountaineer and from the cultural richness of the Trans Siberian Railway to the luxurious comfort of the Blue Train this book covers it all With practical tips for planning your trip insights into the history and allure of train travel and a focus on sustainable travel practices this book is your ultimate companion for exploring the world by rail

Whether you re a seasoned train traveler or embarking on your first railway adventure this guide will inspire and prepare you for an unforgettable journey **Railway Rambles in Snowdonia** Ian Coulthard, 2004 The seven steam railways of Snowdonia plus its mainline network combine to give endless possibilities for indulging in a love of steam railways with walks in splendid scenery This book presents 30 walks and explores the whole of Snowdonia and to enjoy the varied locomotives preserved on this national network

Right here, we have countless books **Snowdon Mountain Railway** and collections to check out. We additionally offer variant types and furthermore type of the books to browse. The pleasing book, fiction, history, novel, scientific research, as capably as various extra sorts of books are readily easy to get to here.

As this Snowdon Mountain Railway, it ends going on living thing one of the favored ebook Snowdon Mountain Railway collections that we have. This is why you remain in the best website to see the incredible books to have.

<https://archive.kdd.org/About/uploaded-files/index.jsp/the%20golf%20trekker%20courses%20of%20southern%20california.pdf>

Table of Contents Snowdon Mountain Railway

1. Understanding the eBook Snowdon Mountain Railway
 - The Rise of Digital Reading Snowdon Mountain Railway
 - Advantages of eBooks Over Traditional Books
2. Identifying Snowdon Mountain Railway
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Snowdon Mountain Railway
 - User-Friendly Interface
4. Exploring eBook Recommendations from Snowdon Mountain Railway
 - Personalized Recommendations
 - Snowdon Mountain Railway User Reviews and Ratings
 - Snowdon Mountain Railway and Bestseller Lists
5. Accessing Snowdon Mountain Railway Free and Paid eBooks

- Snowdon Mountain Railway Public Domain eBooks
- Snowdon Mountain Railway eBook Subscription Services
- Snowdon Mountain Railway Budget-Friendly Options
- 6. Navigating Snowdon Mountain Railway eBook Formats
 - ePub, PDF, MOBI, and More
 - Snowdon Mountain Railway Compatibility with Devices
 - Snowdon Mountain Railway Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Snowdon Mountain Railway
 - Highlighting and Note-Taking Snowdon Mountain Railway
 - Interactive Elements Snowdon Mountain Railway
- 8. Staying Engaged with Snowdon Mountain Railway
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Snowdon Mountain Railway
- 9. Balancing eBooks and Physical Books Snowdon Mountain Railway
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Snowdon Mountain Railway
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Snowdon Mountain Railway
 - Setting Reading Goals Snowdon Mountain Railway
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Snowdon Mountain Railway
 - Fact-Checking eBook Content of Snowdon Mountain Railway
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

Snowdon Mountain Railway Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Snowdon Mountain Railway free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Snowdon Mountain Railway free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Snowdon Mountain Railway free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available

for free. Many authors and publishers voluntarily provide free PDF versions of their work, but it's essential to be cautious and verify the authenticity of the source before downloading Snowdon Mountain Railway. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether it's classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Snowdon Mountain Railway any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Snowdon Mountain Railway Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Snowdon Mountain Railway is one of the best book in our library for free trial. We provide copy of Snowdon Mountain Railway in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Snowdon Mountain Railway. Where to download Snowdon Mountain Railway online for free? Are you looking for Snowdon Mountain Railway PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Snowdon Mountain Railway. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Snowdon Mountain Railway are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial

for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Snowdon Mountain Railway. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Snowdon Mountain Railway To get started finding Snowdon Mountain Railway, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Snowdon Mountain Railway So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading Snowdon Mountain Railway. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Snowdon Mountain Railway, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Snowdon Mountain Railway is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Snowdon Mountain Railway is universally compatible with any devices to read.

Find Snowdon Mountain Railway :

~~the golf trekker courses of southern california~~

the genealogy of the makepeace families in the united states from 1637 to 1857

the go players almanac

the gippers ghost

the glorious quest of chief washakie chief of the shoshones

the god gene how faith is hardwired into our genes

the gnostics the new versions and the deity of ch

~~the gismo from outer space~~

the glory of the trenches an interpretation

the genesis of jake a baby story

the ghost boat

the god of the deaf adolescent an inside view

the ghetto garden

the ghost of sherlock holmes

the germans in england 1066 1598

Snowdon Mountain Railway :

sermon discussion guide for connect groups 25 - Feb 07 2023

web 1 begin by reviewing the video of the sermon preferably before you meet together see brmc org sg services sermons 2 read the scripture passage together before entering into discussion 3 spend time on both question components namely a comprehension who what when why how b application transformation so

leaders update on covid 19 hope singapore - Aug 01 2022

web may 14 2021 sermon discussions kids online dear leaders thank you for diligently facilitating sermon discussions to help your members grow in the word we are starting a new format for our discussion guide that aims to ask more targeted questions to facilitate sharing the questions are categorised according to the following general questions

life group guides the well - Jun 30 2022

web joshua week 8 6 1 27 sermon discussion guide post sermon 463kb pdf joshua week 7 sermon discussion guide post sermon 458kb pdf joshua week 8 6 1 27 personal study pre sermon 448kb pdf joshua week 6 5 1 15 sermon discussion guide post sermon 462kb pdf joshua week 7 personal study pre sermon

how to discuss the sermon in your small group knowable word - Jun 11 2023

web jun 26 2017 begin the discussion by asking for broad takeaways from the passage or sermon this gives an opportunity for people to share what god is teaching them conversations that drift into criticism of the preacher aren t usually productive so be prepared to steer the conversation back to the bible

sermon discussion guide for connect groups 4 5 - Mar 08 2023

web 1 begin by reviewing the video of the sermon preferably before you meet together see brmc org sg services sermons 2 read the scripture passage together before entering into discussion 3 spend time on both question components namely a comprehension who what when why how b application transformation so

sermon on the mount discussion guide first alliance church - Dec 05 2022

web and discussion questions designed to lead your group through jesus sermon on the mount this discussion guide is designed to engage your group in deep and meaningful conversation at the end of each section we have provided you with room to take notes and write down the praise reports and prayer requests of the group

generalized sermon discussion questions group leaders - May 30 2022

web guidance for discussing any sermon we don't write sermon discussion guides when most groups are not meeting holidays trimester breaks if this happens when your group plans to meet you may want to try a right now media series discuss a book of the bible or you can use the following guidelines to facilitate any sermon discussion we do [discussion guides mclean bible church](#) - Feb 24 2022

web as we walk through god's word together weekly we create discussion guides based on the sermon to help our discipleship groups to process what we learned and apply it to our lives if you're not in a church group yet and are interested in joining one learn more here

[sermon discussion guide ada bible church](#) - May 10 2023

web sermon discussion guide resources to help leaders and small groups circle back to the weekend message each week sign up for an email sent each sunday morning filter november 4 5 the challenge of midway october 28 29 the credits october 21 22 the qualities of rebuilding october 14 15 time to get moving october 7 8 news from home

[the ultimate list of sermon topics ministry pass](#) - Oct 03 2022

web encouragement this is one of the sermon topics that probably can't get too much attention all of us need encouragement to keep going to keep growing to keep the faith and to live with courage jesus has overcome and take heart is a 3 week sermon series exploring the encouragement in that truth

[sermon discussions elevation church](#) - Apr 09 2023

web view discussion guides where we dig deeper into the sermons and get the most out of what god is teaching us each week take sermons to the next level you're invited to join us as we reflect on god's word discuss what he's teaching us turn sermons into action and live out our faith digging deeper watch on the digging deeper journal

[sermon discussion guide the fruit of the spirit is joy](#) - Sep 02 2022

web sermon discussion guide the fruit of the spirit is joy galatians 5 22 23 what is the difference between the happiness found in the world and the joy that comes from the spirit how do you live by the spirit in order to walk with this kind of joy why do our salvation and the salvation of others fill us with joy

[general guidance for sermon discussions how to discuss any sermon](#) - Aug 13 2023

web general guidance for sermon discussions how to discuss any sermon icebreaker questions optional if your house was burning down utilize the graham weekly prayer guide title gossip the acceptable christian addicton author brad files subject ephesians 4 22 24 29 30

[sermon discussion guide the fruit of the spirit is self](#) - Apr 28 2022

web sermon discussion guide the fruit of the spirit is self control galatians 5 22 23 how is self control a work of the holy spirit why do we tend to rely on ourselves to produce self control what are some ways we can show self control by honoring god

with our bodies read 1 corinthians 10 31 what does this verse teach us about honoring god

sermon discussion guide for connect groups 13 - Oct 15 2023

web 1 begin by reviewing the video of the sermon preferably before you meet together see brmc org sg services sermons 2 read the scripture passage together before entering into discussion 3 spend time on both question components namely a comprehension who what when why how b application transformation so

sermon discussion guide for connect groups 18 - Jan 06 2023

web 1 begin by reviewing the video of the sermon preferably before you meet together see brmc org sg services sermons 2 read the scripture passage together before entering into discussion 3 spend time on both question components namely a comprehension who what when why how b application transformation so

sermon discussion guide for connect groups 17 - Jul 12 2023

web 1 begin by reviewing the video of the sermon preferably before you meet together see brmc org sg services sermons 2 read the scripture passage together before entering into discussion 3 spend time on both question components namely a comprehension who what when why how b application transformation so

sermon discussion guide shadow hills church - Nov 04 2022

web jun 12 2017 sermon summary the word peace is common in most languages typically when we think of peace we think about the absence of conflict between nations or even in our own lives but the biblical meaning of the word for peace shalom in the old testament refers to more than simply the absence of conflict or war

sermon discussion guide pathway church - Sep 14 2023

web sep 23 2018 utilize our weekly sermon based discussion guides to be used in a small group or individually to facilitate group interaction and application in regards to the most recent sermon for a sermon discussion guide that goes with a one hit wonder a sermon that s not a part of a sermon series click here

sermon discussion guide paralytic and four friends issuu - Mar 28 2022

web sep 27 2021 discussion 1 pick one of the story s characters and describe what you think was going on in his her mind during this incident the owner of the house the man on the stretcher the crowd the

the call of the wild official trailer 20th century studios - Apr 07 2023

web nov 20 2019 adapted from the beloved literary classic the call of the wild vividly brings to the screen the story of buck a big hearted dog whose blissful domestic life is turned upside down when he is

the call of the wild - Sep 12 2023

web the call of the wild is a short adventure novel by jack london published in 1903 and set in yukon canada during the 1890s klondike gold rush when strong sled dogs were in high demand the central character of the novel is a dog named buck

[watch the call of the wild prime video amazon com](#) - Feb 05 2023

web the call of the wild harrison ford stars in a thrilling adventure story based on the classic novel 68 567 imdb 6 7 1 h 39 min 2020 x ray hdr uhd pg drama adventure

the call of the wild disney - Jul 10 2023

web harrison ford stars in a thrilling adventure based on the classic novel

[the call of the wild summary characters facts britannica](#) - Jun 09 2023

web nov 10 2023 the call of the wild by jack london was published in 1903 the plot follows the life of buck a pet dog as he is stolen and sold to be a sled dog in the midst of the klondike gold rush buck is forced to adapt by giving in to his primitive instincts until he succumbs completely and becomes the leader of a wolf pack

[the call of the wild 2020 film](#) - Oct 13 2023

web the call of the wild is a 2020 american adventure film based on jack london s 1903 novel of the same name directed by chris sanders in his live action directorial debut and his first film without a co director the film was written by michael green and stars harrison ford omar sy cara gee dan stevens karen gillan and

the call of the wild rotten tomatoes - May 08 2023

web movie info buck is a big hearted dog whose blissful domestic life gets turned upside down when he is suddenly uprooted from his california home and transplanted to the exotic wilds of the alaskan

imdb - Aug 11 2023

web feb 21 2020 the call of the wild directed by chris sanders with harrison ford omar sy cara gee dan stevens a sled dog struggles for survival in the wilds of the yukon

the call of the wild 2020 plot imdb - Jan 04 2023

web the call of the wild is a vibrant story of buck a big and kindhearted dog a crossbreed between a st bernard and a scotch shepherd whose carefree life of leisure was suddenly upset when he was stolen from his home in santa clara county california and deported up north to be sold in skagway alaska and taken further north to dawson city yukon

[the call of the wild full book summary sparknotes](#) - Mar 06 2023

web quotes by theme by section summary full book summary buck a powerful dog half st bernard and half sheepdog lives on judge miller s estate in california s santa clara valley

libretto for sister act the musical cdn writermag - Dec 12 2021

[libretto for sister act the musical 2022 ai classmonitor](#) - Nov 10 2021

libretto for sister act the musical download only vps huratips - Feb 11 2022

sister act the musical piano vocal score pdf document - Sep 01 2023

web dec 6 2015 this is the piano vocal score for the tour orchestration of sister act transcript page 1 page 2 page 3 page 4 page 5 page 6 page 7 page 8 page

libretto for sister act the musical blog theupside - Jan 13 2022

sister act the musical sheet music bornii com - Aug 20 2022

web musical sheet music by sylvester levay only act 2 sister act musical original opened in new york city apr 20 2011 and played through aug 26 2012 touted as americas new

sister act libretto db csda org - Jul 19 2022

web libretto for sister act the musical oliver alfred reed 2000 03 richmond music instrumental one of broadway s beloved stage productions is now available from hal

sister act libretto vocal book by musik und - Jun 29 2023

web aug 4 2015 1 7 sister act libretto free pdf ebook download sister act libretto download or read online ebook sister act libretto in pdf format from the best user

sister act musical plot characters stageagent - Dec 24 2022

web download sheet music for sister act the musical choose out sister act the musical sheet dance for such popular songs as the life myself never led i couldn be that

sister act the musical libretto free book slideum com - Jun 17 2022

web libretto for sister act the musical 3 3 sinatra s centennial the jazz age masterpiece that inspired the iconic sinatra film and the hit broadway musical and featuring the

search sister act sheet music at j w pepper - Oct 22 2022

web free download book sister act the musical libretto pdf sister act the musical libretto click here to access this book free download sister act the musical

sister act libretto mybooklibrary com fliphtml5 - May 29 2023

web 2022 london revival sister act is a musical based on the hit 1992 film of the same name with music by alan menken lyrics by glenn slater book by bill and cheri steinkellner

sister act perusal libretto vocal book vebuka com - Oct 02 2023

web sister act perusal libretto vocal book pages count 334

libretto for sister act the musical download only oldcove - Mar 15 2022

web seven mozart librettos **libretto for sister act the musical** downloaded from ai classmonitor com by guest sawyer dakota samuel french inc verdi like most

sister act the musical sheet music musicnotes com - Jan 25 2023

web oct 29 2015 description full vocal piano accompaniment for the broadway musical sister act transcript page 1 7 15
2019 sister act the musical full

sister act music theatre international - Apr 27 2023

web download sheet music for sister act the musical choose from sister act the musical sheet music for such popular songs as the life i never led sister act and

sister act from sister act the musical sheet - Feb 23 2023

web based on the smash hit movie sister act features a brand new score by award winning composer alan menken this book features the hits from the show arranged for voice

sister act the musical libretto 178 128 217 59 - Apr 15 2022

web libretto for sister act the musical catalogue of title entries of books and other articles entered in the office of the register of copyrights library of congress at washington

libretto for sister act the musical copy graph safehousetech - May 17 2022

web 2 libretto for sister act the musical 2022 11 30 musical your kids will love performing elektra warren mich harmonie park press amadeus for a long time cosi fan tutte

request sister act the musical libretto r musicalscripts - Jul 31 2023

web welcome to r musicalscripts a place to share scripts and libretti for musicals premium explore gaming valheim genshin request sister act the musical libretto

sister act musical songs stageagent - Nov 22 2022

web sister act libretto 3 3 register of important events of the year running press richmond music folios the vocal score and featuring the musical s libretto and

sister act musical wikipedia - Mar 27 2023

web sister act musical writers cheri steinkellner bill steinkellner alan menken glenn slater douglas carter beane songs act one take me to heaven deloris michelle tina

sister act the musical full piano vocal score vdocument in - Sep 20 2022

web libretto for sister act the musical 3 3 including works both originally prepared in english as well as english translations since its original publication in 1999 griffel

