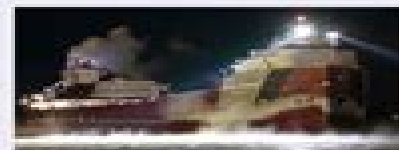




S.S. Edmund
Fitzgerald
(1958)



S.S. Arthur
M. Anderson
(1952)



Sisters Of The Great Lakes

Nancy Willard



Sisters Of The Great Lakes:

Thank you utterly much for downloading **Sisters Of The Great Lakes**. Most likely you have knowledge that, people have look numerous period for their favorite books later than this Sisters Of The Great Lakes, but end happening in harmful downloads.

Rather than enjoying a fine book next a mug of coffee in the afternoon, otherwise they juggled gone some harmful virus inside their computer. **Sisters Of The Great Lakes** is understandable in our digital library an online permission to it is set as public in view of that you can download it instantly. Our digital library saves in fused countries, allowing you to get the most less latency times to download any of our books following this one. Merely said, the Sisters Of The Great Lakes is universally compatible in the manner of any devices to read.

<https://archive.kdd.org/book/uploaded-files/Documents/The%20Bible%20Speaks%20To%20You.pdf>

Table of Contents Sisters Of The Great Lakes

1. Understanding the eBook Sisters Of The Great Lakes
 - The Rise of Digital Reading Sisters Of The Great Lakes
 - Advantages of eBooks Over Traditional Books
2. Identifying Sisters Of The Great Lakes
 - 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 Sisters Of The Great Lakes
 - User-Friendly Interface
4. Exploring eBook Recommendations from Sisters Of The Great Lakes
 - Personalized Recommendations
 - Sisters Of The Great Lakes User Reviews and Ratings
 - Sisters Of The Great Lakes and Bestseller Lists

5. Accessing Sisters Of The Great Lakes Free and Paid eBooks
 - Sisters Of The Great Lakes Public Domain eBooks
 - Sisters Of The Great Lakes eBook Subscription Services
 - Sisters Of The Great Lakes Budget-Friendly Options
6. Navigating Sisters Of The Great Lakes eBook Formats
 - ePub, PDF, MOBI, and More
 - Sisters Of The Great Lakes Compatibility with Devices
 - Sisters Of The Great Lakes Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Sisters Of The Great Lakes
 - Highlighting and Note-Taking Sisters Of The Great Lakes
 - Interactive Elements Sisters Of The Great Lakes
8. Staying Engaged with Sisters Of The Great Lakes
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Sisters Of The Great Lakes
9. Balancing eBooks and Physical Books Sisters Of The Great Lakes
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Sisters Of The Great Lakes
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Sisters Of The Great Lakes
 - Setting Reading Goals Sisters Of The Great Lakes
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Sisters Of The Great Lakes
 - Fact-Checking eBook Content of Sisters Of The Great Lakes
 - 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

Sisters Of The Great Lakes Introduction

In the digital age, access to information has become easier than ever before. The ability to download Sisters Of The Great Lakes has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Sisters Of The Great Lakes has opened up a world of possibilities. Downloading Sisters Of The Great Lakes provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Sisters Of The Great Lakes has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Sisters Of The Great Lakes. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Sisters Of The Great Lakes. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Sisters Of The Great Lakes, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Sisters Of The Great

Lakes has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

FAQs About Sisters Of The Great Lakes 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. Sisters Of The Great Lakes is one of the best book in our library for free trial. We provide copy of Sisters Of The Great Lakes in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Sisters Of The Great Lakes. Where to download Sisters Of The Great Lakes online for free? Are you looking for Sisters Of The Great Lakes PDF? This is definitely going to save you time and cash in something you should think about.

Find Sisters Of The Great Lakes :

the bible speaks to you

the battle of the bismarck sea

the battle of gettysburg landmark events in american history

the best of alfalfa

the bible mystery and meaning of creation

the best of creative computing

the best in ad campaigns

the best of carve magazine volume two

the beatles vol 4

the bible contradicts itself wrong exposing the false doctrines of men

the best loved plays of shakespeare

the best christmas present ever

the best of the audubon poets

the bayou goula site iberville parish louisiana.

the battle of the komandorski islands

Sisters Of The Great Lakes :

read free centrifugal compressor overhauling procedure - Apr 05 2022

web issues and major hardware elements for compressors topics include double acting positive displacement compressors rotary positive displacement compressors understanding centrifugal process gas compressors power transmission and advanced bearing technology centrifugal compressor

centrifugal compressors overhauling procedure - Mar 04 2022

web centrifugal compressor manual overhauling procedure centrifugal oil purifiers starting and stopping procedures overhauling air compressor on ships marine engineering

centrifugal compressors overhauling procedure web mei - May 06 2022

web 6 centrifugal compressors overhauling procedure 2020 04 28 applications uniquely covers the systematic linkage of fluid processing machinery to the processes they serve this book is a highly practical resource for professionals responsible for purchasing servicing or operating compressors it

step by step guide for overhauling centrifugal pumps sintech - Sep 22 2023

web the primary purpose of this guide is to help you overhaul a centrifugal pump by yourselves before we understand the overhauling procedure let s first examine how to start the pump in the right way open the suction valve suction nozzle ensure that the discharge valve discharge nozzle is kept in the closed position turn the pump s

centrifugal compressor overhauling procedure dev sfcg - Jun 07 2022

web elements for compressors topics include double acting positive displacement compressors rotary positive displacement compressors understanding centrifugal process gas compressors power transmission and advanced bearing technology centrifugal compressor performance gas processing and turbo expander applications

centrifugal pump overhauling procedure dismantling and youtube - Feb 15 2023

web mar 24 2020 in this video you will learn about back pullout centrifugal pump overhauling procedures like dismantling inspection and assembling components of centrifugal pump coupling coupling key

compressor centrifugal compressor centrifugal compressor youtube - Jul 20 2023

web apr 24 2020 oilgasworld oilandgaslearningcomplete overhauling of centrifugal compressor like comment share subscribesubscribe oil gas world youtu

5 key procedures for maximum air compressor health and - Mar 16 2023

web the centrifugal compressor overhauling procedure involves a comprehensive inspection of the compressor s components including the impeller diffuser and bearings the procedure aims to identify and rectify any damage or wear and tear to ensure the compressor operates efficiently

centrifugal compressors overhauling procedure - Apr 17 2023

web centrifugal compressors overhauling procedure and procedure for overhauling centrifugal pump and procedure for overhauling centrifugal centrifugal compressors troubleshooting and failure overhauling air compressor on ships marine engineering compressor maintenance training working animation

centrifugal compressors overhauling procedure - Jul 08 2022

web centrifugal compressors overhauling procedure compressors and modern process applications may 15 2022 compressors represent a multimillion dollar investment for many plants and profitability can be neither reached nor sustained by organizations that neglect this critically important asset this is clearly

centrifugal pump overhauling procedure foe multistage centrifugal - Sep 10 2022

web feb 5 2021 basic procedure first we have take the permit prepared the tools and as per permit requirement inspect the mechanical and electrical isolation inspect the blinding location as per p id permit identification inspect pressure gauge zero and opening drain valve overhauling procedure remove coupling hub with use of

centrifugal compressor overhauling procedure - Nov 12 2022

web 2 centrifugal compressor overhauling procedure 2023 01 06 the spot where you ll find all the answers on the design procedures practical application and maintenance of compressors straight from the top experts on these widely used machines the first ever comprehensive reference on compressors the handbook gives you

overhauling procedures of centrifugal pump - Jun 19 2023

web apr 19 2021 1 switch of the breaker and take out the fuse and keep it in a safe place place men at work board advertisement 2 close the suction and discharge valve of the pump to be overhauled 3 remove the suction and discharge pressure gauge connection to check

centrifugal compressor overhauling procedure - Aug 09 2022

web horizontal reciprocating and liquid ring vacuum pumps fans and blowers compressors turboexpanders turbines and more also included are sections on machinery protection storage lubrication and periodic monitoring a new section examines centrifugal pumps and explains how and why they continue to fail more

centrifugal compressor operation and - Aug 21 2023

web abstract the operation and maintenance of centrifugal compressors varies considerably depending upon the speed horsepower and type of driver typical centrifugal compressors vary from high speed low flow applications to very large flow low speed machines each has its own operating and maintenance problems

centrifugal compressor overhauling procedure for centrifugal - Oct 23 2023

web feb 12 2021 overhauling procedure for barrel type compressor proper safety clearance getting from concerned operation remove coupling spacer from driver turbine or motor remove coupling by use of coupling puller like hydraulic puller or special tools before check the thrust clearance of the compressor shaft with thrust

overhauling procedure of reciprocating compressor linkedin - Oct 11 2022

web feb 25 2023 228 057 followers the procedure for overhauling a reciprocating compressor typically involves the following steps training manual on reciprocating compressor preparation shut down the

maintenance and overhaul of mcl524 6 centrifugal compressor - Jan 14 2023

web jan 1 2009 the maintenance and overhaul to mcl524 6 centrifugal compressor were analyzed from the gearbox bearings seals etc method of compressor overhaul was introduced discover the world's research

2bcl306a centrifugal compressor overhauling overhauling procedure - May 18 2023

web apr 2 2023 hi today in this article i'm describing 2bcl306a centrifugal compressor overhauling from its start to end definition of centrifugal compressor the compressor in which the impeller boosts the velocity of gas by centrifugal force and subsequently converts it into pressure through diffuser

pdf design procedure of centrifugal compressors - Dec 13 2022

web may 1 2014 view pdf this paper investigates the development of a preliminary design method for centrifugal compressors the design process starts with the aerodynamic find read and cite all the

common stocks as long term investments amazon com tr - Jan 20 2022

web jun 5 2003 4 01 68 ratings 10 reviews this scarce antiquarian book is a facsimile reprint of the original due to its age it may contain imperfections such as marks notations

nio 2025 forecast can this struggling chinese ev stock - Jul 14 2021

web common stocks as long term investments smith edgar lawrence amazon com tr kitap

what is common stock kiplinger - Feb 01 2023

web feb 15 2023 companies issue common stock for a variety of reasons first and foremost stock is issued to raise interest free capital that can be used for business

why block sq is a top momentum stock for the long term - Aug 15 2021

web 1 day ago most popular stocks to buy nov 8 2023 the tech stocks that will eventually become the new magnificent seven why pltr stock is a smart long term

investing in the cannabis industry 3 stocks to buy now - May 12 2021

common stocks as long term investments by edgar law - Jul 26 2022

web nov 3 2023 investing in the stock market can enhance your financial position in the long run and some stocks are safe options three stocks that can provide long term

common stocks as long term investments goodreads - Oct 17 2021

web 1 day ago 4 stock index futures mixed as investors weigh fed comments chinese trade data disappoints 5 down 16 in a month is tesla stock worth buying nio

common stocks as long term investments kağıt kapak - Mar 02 2023

web common stocks as long term investments smith edgar lawrence amazon com tr kitap

common stocks as long term investments by edgar lawrence - Mar 22 2022

web nov 6 2023 one of lower platform fees on the market over 8 000 shares and 7 000 funds etfs and investment trusts 1 aj bell start investing on aj bell s website featured

benefits of holding stocks for the long term investopedia - Jul 06 2023

web mar 16 2020 edgar lawrence smith was an economist investment manager and author of the influential book common stocks as long term investments which promoted

the 10 best long term stocks of 2023 forbes advisor - Aug 07 2023

web aug 2 2023 best long term investment stocks to buy some of the best long term investment stocks include companies that are in good financial standing have a low

common stocks as long term investments ciltli kapak - Apr 10 2021

common stocks as long term investments amazon com - Sep 08 2023

web jul 25 2012 this discovery led to the 1924 publication of common stocks as long term investments the book was widely reviewed and praised and became a key

[3 common investment mistakes to avoid during bull markets](#) - Feb 18 2022

web edgar lawrence smith 1882 1971 was an economist investment manager and author of the influential book common stocks as long term investments which promoted the

[common stocks as long term investments kağıt kapak](#) - Nov 29 2022

web nov 6 2015 this discovery led to the 1924 publication of common stocks as long term investments the book was widely reviewed and praised and became a key

help grow your retirement savings by investing in these 3 safe - Apr 22 2022

web common stocks as long term investments smith edgar lawrence amazon com tr kitap

common stocks as long term investments edgar lawrence - Oct 09 2023

web common stocks as long term investments edgar lawrence smith journal of political economy vol 33 no 6 freebook reviews and notices common stocks as long term investments edgar lawrence smith james roy jackson pdf

[common stocks as long term investments amazon co uk](#) - Dec 31 2022

web nvidia corporation nasdaq nvda the walt disney company nyse dis sentinelone inc nyse s upstart holdings inc nasdaq upst snowflake inc

[common stocks as long term investments amazon com](#) - Jun 24 2022

web common stocks as long term investments by edgar lawrence smith 7 common stocks as long term investments by edgar lawrence smith full view hathitrust

common stocks as long term investments goodreads - Apr 03 2023

web mar 16 2020 common stocks as long term investments amazon co uk smith edgar lawrence tbd buffett warren 9783072893558 books business finance law

common stocks as long term investments google books - Aug 27 2022

web oct 3 2022 long term dividend stocks annaly capital management inc nyse nly annaly capital management inc is a real estate investment trust reit the company

[the 10 best long term stocks to buy for november 2023 the](#) - May 24 2022

web 23 hours ago 192 5 0 65 tata steel share price 119 05 0 58 state bank of india share price 0 1 business news markets stock markets 3 common investment

common stocks as long term investments google books - Sep 15 2021

web nov 5 2023 ed jones afp getty images south korea stocks surged on monday after the country re imposed a ban on short selling while most asia pacific markets took heart

[best long term investments of 2023 forbes advisor](#) - Jun 05 2023

web common stocks as long term investments lawrence smith edgar amazon com tr kitap

best long term investment stocks to buy kiplinger - May 04 2023

web nov 4 2023 the risks of owning common stock while investing in common stocks can deliver significant capital appreciation apple nvidia and adobe are just three examples

pension investment options a guide forbes advisor uk - Dec 19 2021

web aug 15 2022 common stocks as long term investments 1924 by edgar lawrence smith proved for the first time that stocks outperformed bonds in long term stock

what is common stock definition advantages disadvantages - Oct 29 2022

web of common stocks offers a form of long term investment superior to any other class of security he bases his conclusion partly upon the fact that his studies show a greater

common stocks as long term investments ebooks com - Nov 17 2021

web 11 hours ago investors can count on the zacks rank s success with 1 strong buy stocks producing an unmatched 25 41 average annual return since 1988 more than

asia stock markets live updates south korea bans short selling - Jun 12 2021

web common stocks as long term investments smith edgar lawrence tbd amazon com tr kitap

common stocks as long term investments kağıt kapak - Mar 10 2021

10 best long term stocks for beginner investors fortunebuilders - Sep 27 2022

web nov 6 2015 edgar lawrence smith 1882 1971 was an economist investment manager and author of the influential book common stocks as long term investments which

vocabulaire juridique multilingue comparé - Jun 13 2023

web justice à la création d un vocabulaire juridique multilingue vjm correspondant aux différents systèmes juridiques des États membres de l union européenne exprimé en 23 langues le vjm permettrait aux spécialistes du droit et aux citoyens de l ue de disposer d un outil documentaire

lexique bilingue des termes juridiques frana ais pdf - Jul 02 2022

web apr 26 2023 juridiques la jurilinguistique dans tous ses états est une plongée dans le monde fascinant des mots du droit l objectif est d ausculter le langage du droit en l explorant sous toutes les coutures dans la

terminologie juridique arabe français pdf loi criminelle - Apr 30 2022

web description c est un document de deux pages regroupant quelques termes en français et en arabe usités en droit

lexique bilingue des termes juridiques frana ais pdf - Jun 01 2022

web lexique bilingue des termes juridiques frana ais pdf web lexique bilingue des termes juridiques frana ais pdf web
vocabulaire essentiel du monde juridique droit civil droit des contrats droit dé la famille droit constitutionnel droit pénal
jurisprudence plus de

lexique bilingue des termes juridiques frana ais copy ftp bonide - Nov 06 2022

web lexique bilingue des termes juridiques frana ais 3 3 dialectology tonology morphology and syntax pragmatics the book
provides a survey of the state of the art in the mande linguistics at the end of the first decade of the 21 century general
reports of the xixth congress of the international academy of comparative law rapports généraux

lexique des termes juridiques français arabe amazon fr - Feb 26 2022

web fruit d une collaboration entre hachette antoine et dalloz cet ouvrage est une adaptation trilingue arabe anglais français
du lexique des termes juridiques français il comporte en outre 2 index anglais français arabe et arabe français anglais la
traduction a été effectuée par une équipe de spécialistes dirigée par lena menhem usj beyrouth et

lexique bilingue sur plusieurs termes juridiques jurisource - Mar 10 2023

web lexique bilingue sur plusieurs termes juridiques ce lexique global regroupe toutes les entrées des lexiques déjà parus
sous les thèmes généraux conduite automobile droits identification peine et libération conditionnelle auxquelles se sont
ajoutées les entrées des lexiques portant sur les infractions

portail e justice européen glossaires et terminologie - Aug 15 2023

web le vjm est une collection de fiches terminologiques multilingues recueillies dans différents systèmes juridiques nationaux
24 langues et 30 systèmes juridiques qui sont le fruit d un travail de recherche approfondi en droit comparé réalisé par les
juristes linguistes de la cour de justice de l union européenne

lexique bilingue des termes juridiques français espagnol by - Apr 11 2023

web verbes pronominaux verbes d recherche mdicale ce lexique juridique bilingue français espagnol s adresse aux étudiants
de l enseignement supérieur inscrits dans les cursus de droit de l e a de a e s ou a e i dans lesquels s intègrent des matières
juridiques enseignées en espagnol droit commercial droit civil droit

lexique bilingue des termes juridiques frana ais - Mar 30 2022

web 2 lexique bilingue des termes juridiques frana ais 2021 04 29 lexique bilingue des termes juridiques frana ais
downloaded from lsamp coas howard edu by guest madeline page revue générale de droit ellipses marketing la liste
exhaustive des ouvrages disponibles publiés en langue française dans le monde la liste des éditeurs et

lexique bilingue des termes juridiques frana ais download - Sep 04 2022

web lexique bilingue des termes juridiques frana ais 3 3 mieux communiquer efficacement la recherche documentaire au
service des sciences infirmières presses universitaires de perpignan legal lexicography or jurilexicography is the most

neglected aspect of the discipline of jurilinguistics despite its great relevance for

lexique bilingue des termes juridiques français espagnol by - Dec 27 2021

web droit de l e a de a e s ou a e i dans lesquels s intègrent des matières juridiques enseignées en espagnol droit commercial droit civil droit fiscal qui doivent faire face non seulement à la difficulté de la matière enseignée mais encore à celle d assimiler le vocabulaire juridique dans une autre langue il est

lexiques et dictionnaires portail linguistique du canada - May 12 2023

web lexiques et dictionnaires droit et justice par le bureau de la traduction améliorez votre compréhension du système judiciaire du canada grâce à des ressources contenant de la terminologie des définitions et des abréviations

apprenez 50 termes juridiques arabes les plus utilisés - Jan 28 2022

web jan 17 2018 cela vous aidera à améliorer votre lexique ainsi que votre niveau d arabe dans ce cours d arabe vous allez apprendre 50 mots juridiques les plus utilisés cela vous aidera à améliorer votre lexique ainsi que votre niveau d arabe apprenez 50 termes juridiques arabes les plus utilisés par salim kecir janvier 17 2018 0 1752

outils justice en langues officielles - Feb 09 2023

web lexique juridique des lois fédérales centre de traduction et de documentation juridiques université d ottawa promotion de l accès à la justice dans les deux langues officielles pajlo répertoire des appellations des juges des tribunaux et des périodiques juridiques centre de traduction et de terminologie juridiques université

français langue langage juridique data bnf fr - Jul 14 2023

web data 2 12 data bnf fr dictionnaire des expressions juridiques 2018 henri roland paris lexisnexis dl 2018 concordanze lessicali italiane e francesi del codice napoleone 2018 dario zuliani firenze accademia della crusca lexique des termes juridiques 2018 paris dalloz dl 2018 guide de légistique 2017 france

lexique justice fr - Jan 08 2023

web pour vous aider à comprendre les termes juridiques un lexique est à votre disposition aller au menu aller au contenu principal aller au pied de page block tpl twig ministère sauf mention contraire tous les contenus de ce site sont sous licence etalab 2 0

lexique bilingue des termes juridiques frana ais - Aug 03 2022

web ce lexique juridique bilingue français espagnol s adresse aux étudiants de l enseignement supérieur inscrits dans les cursus de droit de l e a de a e s ou a e i dans lesquels s intègrent des

lexique bilingue des termes juridiques frana ais pdf copy - Dec 07 2022

web lexique bilingue des termes juridiques frana ais pdf introduction lexique bilingue des termes juridiques frana ais pdf copy publications of the modern language association of america 1947 vols for 1921 1969 include annual bibliography called

1921 1955 american bibliography 1956 1963 annual bibliography 1964 1968

lexique bilingue des termes juridiques frana ais pdf pdf - Oct 05 2022

web d enrichir sa culture juridique dans un contexte bilingue proposant de nombreux exemples de traduction il couvre non seulement les termes récurrents du vocabulaire juridique anglais case claim hearing jurisdiction etc mais aussi des termes et expressions qui sont absents de la plupart des ressources existantes