



FOR CUTTING & FORMING TAPS

# TAP DRILL RECOMMENDATIONS



Tap Size & Pitch		Cutting Taps		Forming Taps	
Inch	Metric	Drill Size	Dec. Equiv.	Drill Size	Dec. Equiv.
0-80		3/64	.0499	54	.0050
	M1.6 x 0.35	1.25	.0490	1.45	.0571
	M1.6 x 0.35	1.45	.0571	1.65	.0650
1-64		53	.0090	51	.0070
1-72		53	.0090	51	.0070
	M2 x 0.40	1.80	.0630	1.80	.0709
2-56		50	.0700	5/64	.0781
2-64		50	.0700	47	.0785
	M2.2 x 0.45	1.75	.0649	2.00	.0787
	M2.5 x 0.45	2.05	.0807	2.30	.0908
3-48		47	.0785	43	.0890
3-56		46	.0810	3.50	.0900
4-40		43	.0890	38	.1015
4-48		42	.0905	2.80	.1024
	M3 x 0.50	2.50	.0964	3/16	.1094
5-40		38	.1015	33	.1130
5-44		37	.1040	2.90	.1142
	M3.5 x 0.60	2.80	.1142	3.20	.1280
6-32		36	.1065	5/8	.1250
6-40		33	.1130	3.25	.1280
	M4 x 0.70	3.30	.1299	3.75	.1478
8-32		29	.1360	25	.1495
8-36		29	.1360	24	.1520
	M4.5 x 0.75	3.75	.1478	4.10	.1614
10-24		26	.1470	11/64	.1719
10-32		21	.1580	16	.1770
	M5 x 0.80	4.20	.1654	14	.1820
12-24		18	.1770	8	.1990
12-28		15	.1800	7	.2010
	M6 x 1.00	5.00	.1969	7/32	.2188
1/4-20		7	.2010	1	.2280
1/4-28		3	.2130	15/64	.2340
	M7 x 1.00	6.00	.2362	F	.2570
5/16-18		F	.2570	L	.2900
5/16-24		I	.2730	M	.2990
	M8 x 1.25	8.70	.2638	7/40	.2913
	M8 x 1.00	7.00	.2756	19/64	.2968
3/8-16		O	.3125	5	.3480
3/8-24		Q	.3320	T	.3680
	M10 x 1.50	8.50	.3348	12	.3680
	M10 x 1.25	8.70	.3425	9/40	.3701
7/16-14		U	.3690	V	.4040
7/16-20			.3606	2	.4130
	M12 x 1.75	10.20	.4018	11/20	.4428
	M12 x 1.25	10.80	.4252	11/40	.4528
1/2-13			.4219	15/32	.4620
1/2-20			.4531	12/25	.4620
	M14 x 2.00	12.00	.4724	33/64	.5158
9/16-12			.5158	13/32	.5312
9/16-18			.5158	13/50	.5315

Tap Size & Pitch		Cutting Taps		Forming Taps	
Inch	Metric	Drill Size	Dec. Equiv.	Drill Size	Dec. Equiv.
5/8-11		17/32	.5312	14/15	.5600
5/8-18		37/64	.5781	15/16	.6004
	M16 x 2.00	14.00	.5512	19/32	.5938
	M16 x 1.50	14.50	.5709	15/16	.6004
	M16 x 2.50	15.50	.6102	39/64	.6094
	M16 x 1.50	16.50	.6496	17/16	.6791
3/4-10		21/32	.6562	45/64	.7031
3/4-16		11/16	.6875	23/32	.7188
	M20 x 2.50	17.50	.6890	"	"
	M20 x 1.50	18.50	.7280	"	"
	M22 x 2.50	19.50	.7677	"	"
	M22 x 1.50	20.50	.8071	"	"
7/8-9		49/64	.7656	"	"
7/8-14		13/16	.8125	"	"
	M24 x 3.00	21.00	.8268	"	"
	M24 x 2.00	22.00	.8661	"	"
1-8		7/8	.8750	"	"
1-12		39/64	.9019	"	"
	M27 x 3.00	24.00	.9449	"	"
	M27 x 2.00	25.00	.9843	"	"
1 1/8-7		53/64	.9844	"	"
1 1/8-12		1 3/64	1.0489	"	"
	M30 x 3.50	26.50	1.0430	"	"
	M30 x 2.00	28.00	1.1024	"	"
1 1/4-7		1 7/64	1.1094	"	"
1 1/4-12		1 15/64	1.1719	"	"
	M33 x 3.50	29.50	1.1614	"	"
	M33 x 2.00	31.00	1.2206	"	"
1 3/8-6		1 7/32	1.2188	"	"
1 3/8-12		1 19/64	1.2969	"	"
	M36 x 4.00	32.00	1.2990	"	"
	M36 x 3.00	33.00	1.2990	"	"
1 1/2-6		1 11/32	1.3438	"	"
1 1/2-12		1 27/64	1.4219	"	"
	M39 x 4.00	35.00	1.3780	"	"
	M39 x 3.00	36.00	1.4173	"	"

PIPE TAPS: NPT, NPTF, NPSM, NPSC, NPSP

NPT & NPTF					
Nominal Pipe Tap Size	Minimum Flute Depth	NPSM Flute Depth	NPSC	NPSC	NPSP
1/16-27	C (.242)	A (.234)	—	.290	D (.248)
1/8-27	O (.302)	21/64	T (.368)	O (.302)	R (.358)
1/4-18	7/16	27/64	15/32	7/16	27/64
3/8-18	9/16	9/16	.625**	37/64	37/64
1/2-14	43/64	11/16	15.0 mm	15.0 mm	15.0 mm
3/4-14	29/32	27/64	61/64	59/64	59/64
1-11 1/2	1 5/8	1 1/8	1 13/64	1 5/32	1 5/32
1 1/4-11 1/2	1 31/64	1 19/32	1 25/64	1 1/2	—
1 1/2-11 1/2	1 23/32	1 45/64	1 25/32	1 47/64	—
2-11 1/2	2 3/16	2 11/64	2 1/4	2 13/64	—

METRIC

FRACTIONAL

WIRE GAGE

LETTER SIZE

# Machinists Guide For Taps

**David B Smith**



## **Machinists Guide For Taps:**

Rogers Machinists Guide William Rogers,1913      Machinist Guide David B Smith,2015-04-15 This is a Machinist Notebook Reference guide Revised Apr 11 2015 Written for machinist s by a journeymen machinist in a real shop environment With tables charts illustration drawing and Sketch s for machinist gunsmith auto industries With work sheets for none standard threading and gear cutting It also has simple illustration on how to make a few simple tooling and aids in the shop information for machinist As listed Three wire Major Diameter worm DP and MOD Using a Dividing Head How use a Compound Indexing How to make the Smith Compound indexer Rebound Ball Hardness Tester Grinding Lathe Tools bits Speeds and lubrication Rebound Ball Hardness Tester Hardness Chart Roughness Finish Compactor Scale Over the wire dimensions inch bolts in mm Index Table for 40 tooth worm 2 to 540 Compound Indexing on 40 tooth worm 51 250 teeth Index Table for 72 tooth worm Index Table for 90 tooth worm 2 230 Gear cutting and blanks This is book with written for fast reading NOT NOVEL for reading for slow reading      Tool and Manufacturing Engineers Handbook: Machining Thomas J. Drozda,1983-05-02 Part of the renowned Tool and Manufacturing Engineers Handbook Series the Machining Vol 1 helps you apply cost effective techniques to achieve the best results for over 100 traditional and nontraditional machining processes Chapters include Principles of Metalcutting and Machinability Tolerance Control Cutting Tool Materials Sawing Broaching Planing Shaping and Slotting Turning and Boring Milling Grinding Threading Gear and Spline Production Nontraditional Machining Machine Loading and Unloading Machine Rebuilding and much more      **Practical Machinist** Harry H. Kelley,1914      *American Machinist & Automated Manufacturing* ,1923      The Complete Practical Machinist Joshua Rose,1895      **American Machinist** ,1891      **Complete Practical Machinist** Joshua Rose,1920      *The New American Machinist's Handbook* Rupert Le Grand,1955      **Greenfield's Pocket Guide for Machinists** Greenfield Tap and Die Corporation,1930      The Complete Practical Machinist: Embracing Lathe Work, Vise Work, Etc Joshua Rose,1876      **The Complete Practical Machinist: Embracing Lathe Work, Vise Work, Drills and Drilling, Taps and Dies, Hardening and Tempering, the Making and Use of Tools, Etc., Etc** Joshua Rose,1876      **Illustrated Catalogue of Railway, Steamship, Machinist, Factory, Mill and Electric Supplies** Manning, Maxwell & Moore, Inc,1902      **Shipyard Outside Machinist, Instructor's Guide ...** Pennsylvania. Department of Public Instruction,1943      **Handbook of Small Tools** ,1908      *Machinery's Handbook for Machine Shop and Drafting-room* ,1915      Modern Machine-shop Practice Joshua Rose,1887      **American Machinist, Metalworking Manufacturing** ,1967-07      *The Engineer and Machinist's Assistant* David Scott (engineer),A. Jamieson,1847      Everybody's Handbook of Machinist's Kinks ,1925

This is likewise one of the factors by obtaining the soft documents of this **Machinists Guide For Taps** by online. You might not require more period to spend to go to the books initiation as with ease as search for them. In some cases, you likewise complete not discover the declaration Machinists Guide For Taps that you are looking for. It will utterly squander the time.

However below, as soon as you visit this web page, it will be as a result utterly easy to acquire as well as download lead Machinists Guide For Taps

It will not admit many get older as we notify before. You can reach it even though put on an act something else at house and even in your workplace. appropriately easy! So, are you question? Just exercise just what we allow below as skillfully as evaluation **Machinists Guide For Taps** what you later to read!

[https://splashdogs.com/public/scholarship/Documents/mac\\_pro\\_manual\\_apple.pdf](https://splashdogs.com/public/scholarship/Documents/mac_pro_manual_apple.pdf)

## **Table of Contents Machinists Guide For Taps**

1. Understanding the eBook Machinists Guide For Taps
  - The Rise of Digital Reading Machinists Guide For Taps
  - Advantages of eBooks Over Traditional Books
2. Identifying Machinists Guide For Taps
  - 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 Machinists Guide For Taps
  - User-Friendly Interface
4. Exploring eBook Recommendations from Machinists Guide For Taps
  - Personalized Recommendations

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

- 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

## **Machinists Guide For Taps Introduction**

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In today's fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Machinists Guide For Taps PDF books and manuals is the internet's largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they

need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Machinists Guide For Taps PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Machinists Guide For Taps free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

### **FAQs About Machinists Guide For Taps 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 webbased 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. Machinists Guide For Taps is one of the best book in our library for free trial. We provide copy of Machinists Guide For Taps in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Machinists Guide For Taps. Where to download Machinists Guide For Taps online for free? Are you looking for Machinists Guide For Taps 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 Machinists Guide For Taps. 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 Machinists Guide For Taps 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 Machinists Guide For Taps. 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 Machinists Guide For Taps To get started finding Machinists Guide For Taps, 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 Machinists Guide For Taps So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading Machinists Guide For Taps. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Machinists Guide For Taps, 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. Machinists Guide For Taps 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, Machinists Guide For Taps is universally compatible with any devices to read.

### **Find Machinists Guide For Taps :**

*mac pro manual apple*

**m1hl paper tz2 mathematics higher**

m39call center user manual

*macbeth review answers*

m-j 2014 4024 11 mark schirme



[macbeth shakespeare multiple choice quizzes](#)

**m11 5 mathl hp3 eng tz0 se**

[macbook pro manual eject](#)

[maana ya feministi](#)

[maana ya ufeministy](#)

[ma meacutethode de calcul pas agrave pas](#)

[m35a2 technical manual](#)

**macbook air disassembly guide**

**macbeth a new variorum edition h h furness**

[macbook pro repair guides](#)

## **Machinists Guide For Taps :**

Mercedes Benz Atego Wiring Diagram Pdf Mercedes Benz Atego Wiring Diagram Pdf. INTRODUCTION Mercedes Benz Atego Wiring Diagram Pdf .pdf. Mercedes Truck Actros Axor Atego Wiring Reading part1 MERCEDES ATEGO Wiring Diagrams MERCEDES ATEGO Wiring Diagrams ; ATEGO AGN Power Supply. AGN Power Supply ; ATEGO Coolant Temperature Sensor 'Retarder. Coolant Temperature Sensor 'Retarder. Merc ATEGO 815 day cab 1999 - Wiring Diagrams Aug 21, 2019 — Hi My friend has a ATEGO 815 day cab 1999 wagon with a faulty cluster (displays) etc which decide to work when it feels like it. I was wondering if somebody ... Mercedes Atego Wiring Diagrams Mar 3, 2017 — Looking for wiring diagrams for Mercedes atego 815 2005. Truck is a non starter and has lost communication with engine ecu. Coming up MR and FR ... Mercedes Truck Actros Axor Atego Wiring Reading part2 atego complete wiring diagrams.zip (5.11 MB) - Repair manuals Mercedes Benz Atego from 2004. 5.1 MB. Download slowly 40 seconds @ 1 Mbit/s Downloading ... Download fast + without registration 1 seconds @ 40 Mbit/s. Mercedes Benz 950 Wiring Diagram For Alternator | PDF Mercedes Benz 950 Wiring diagram for alternator - Read online for free. Wiring diagram for 950 series Mercedes-Benz alternator. Mercedes Atego PDF Service Manual This brochure is intended for the use of technical personnel. familiar with the service and maintenance of Mercedes-Benz trucks. It is assumed here that the ... Voodoo Hoodoo Spellbook: Alvarado, Denise, Snake, Doktor "Voodoo Hoodoo" is the unique variety of Creole Voodoo found in New Orleans. The Voodoo Hoodoo Spellbook is a rich compendium of more than 300 authentic ... Voodoo Hoodoo Spellbook (Paperback) Nov 1, 2011 — The Voodoo Hoodoo Spellbook is the culmination of the author's decades of practical experience in authentic Voodoo rituals. Wonderfully readable ... The Voodoo Hoodoo Spellbook by Alvarado, Denise This is a fantastic book! I really enjoyed reading this book. It is full of helpful and useful information on Voodoo and how you can apply it to your own life. The Voodoo Hoodoo Spellbook (Compact Disc) Jul 6, 2021

— Voodoo Hoodoo is the unique variety of Creole Voodoo found in New Orleans. This rich compendium includes more than 300 authentic Voodoo and ... The Voodoo Hoodoo Spellbook by Denise Alvarado In this book, you will find a plethora of authentic Voodoo and hoodoo rituals for love, justice, gambling luck, luck in court, prosperity, health, crossing, ... THE VOODOO HOODOO SPELLBOOK Like the streets of New Orleans, this volume will enchant you with its abundance of magical incantations, spells, and remedies. Voodoo Hoodoo Spellbook - Denise Alvarado Voodoo Hoodoo" is the unique variety of Creole Voodoo found in New Orleans. The Voodoo Hoodoo Spellbook is a rich compendium of more than 300 authentic ... The Voodoo Hoodoo Spellbook by Denise Alvarado The Voodoo Hoodoo Spellbook includes more than 100 spells for banishing, binding, fertility, luck, protection, money, and more. Alvarado introduces listeners to ... The Voodoo Hoodoo Spellbook (MP3 CD) Jul 6, 2021 — Voodoo Hoodoo is the unique variety of Creole Voodoo found in New Orleans. This rich compendium includes more than 300 authentic Voodoo and ... The Voodoo Hoodoo Spellbook - Livebrary.com "Voodoo Hoodoo" is the unique variety of Creole Voodoo found in New Orleans. The Voodoo Hoodoo Spellbook is a rich compendium of more than 300 authentic ... Colonial... by Abowd, Colonial Jerusalem Thomas Philip Colonial Jerusalem: The Spatial Construction of Identity and Difference in a City of Myth, 1948-2012 (Contemporary Issues in the Middle East) · Book overview. Colonial Jerusalem Construction Difference Contemporary ... Page 1. Colonial Jerusalem Construction Difference Contemporary. Pdf. INTRODUCTION Colonial Jerusalem Construction Difference. Contemporary Pdf Full PDF. Colonial Jerusalem: The Spatial Construction of Identity ... Colonial Jerusalem: The Spatial Construction of Identity and Difference in a City of Myth, 1948-2012 (Contemporary Issues in the Middle East) - Kindle ... Colonial jerusalem construction difference contemporary (2023) Textual (Re)construction Colonial Jerusalem Detail in Contemporary Concrete. Architecture Scale in Contemporary Sculpture Contemporary Problems of ... Colonial Jerusalem: The Spatial Construction of Identity ... Mar 17, 2015 — This book explores a vibrant urban center, which is Jerusalem, at the core of the decades-long Palestinian-Israeli conflict. Colonial Jerusalem: The Spatial Construction of Identity ... Colonial Jerusalem: The Spatial Construction of Identity and Difference in a City of Myth, 1948-2012 (Contemporary Issues in the Middle East) by Abowd, ... Colonial Jerusalem: The Spatial Construction of Identity and ... by K Strohm · 2016 — Thomas Abowd's Colonial Jerusalem is a rich and engaging ethnographic exploration of Jerusalem, its world of separation, of the homes, lives, ... Colonial Jerusalem: A Book Review Apr 5, 2023 — This ethnographic study by anthropologist Thomas Abowd examines the spatial construction of identity and difference in contemporary Jerusalem. COLONIAL JERUSALEM: THE SPATIAL CONSTRUCTION ... COLONIAL JERUSALEM: THE SPATIAL CONSTRUCTION OF IDENTITY AND DIFFERENCE IN A CITY OF MYTH, 1948-2012 (CONTEMPORARY ISSUES IN THE MIDDLE EAST) By Colonial ...