

Notes on the back story of this letter:

This letter was sent to me from Geneva (Switzerland) by the ***Users' Program Library Europe*** per my previous request for information. It included a 4-page leaflet with very detailed info about the ***UPL***, namely:

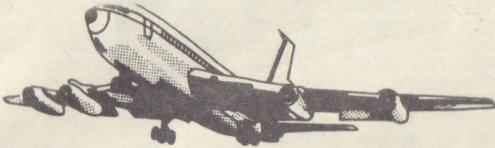
- What is the *HP Users' Library* ?
- Benefits of the *Users' Library*
- How does the *Users' Library* operate ?
- How to become member of the *Users' Library*

Additionally, upon subscribing you'd also get a free subscription to "*Key Notes*", as well as 4 program coupons for you to choose as many programs from the *Library*, which was actually the countervalue of the subscription fee so essentially you'd get one or the other for free. The letter also included:

- the full 7-page documentation for a very nice sample program, *Simon* (from the *Number and Word Games* category), including the program listing for you to key it in and play the game.
- 2 sample pages from the *UPL Catalog* (the cover plus one page with *31 Program Abstracts*)

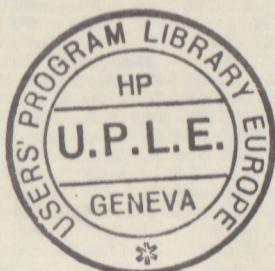
All in all a worthy letter indeed, surely most people receiving it would likely join the ***UPL***, as I did.

Valentin Albillo, 14-02-2022



PAR AVION VIA AEREA LUFTPOST

ENCLOSED DOCUMENTS SENT
AS "PRINTED MATTER"



HEWLETT  PACKARD

HEWLETT-PACKARD S.A.

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MR VALENTIN ALBILLO
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E MADRID 29

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How to become member of the Users' Library

Subscription Card

To become a member of the Users' Library, fill in the attached subscription card and send it to the HP Users' Library, using the enclosed envelope. Note that there are a few questions asked on the back of the registration card concerning your activity and the applications your are interested in. This section of the card provides Hewlett-Packard with useful information for future software developments and allows to send you specific information pertaining to your particular fields of interest. We thank you in advance for spending a few minutes to complete this section, too.

Subscription fee

The subscription fee for a one-year's membership is SFr. 50.—. This amount should accompany the subscription card, preferably in form of a cheque labelled in Swiss Francs (Eurocheque) or the equivalent amount in convertible currency. You may also use a bank transfer to the "Swiss Credit Bank", Geneva, account No 327-360. (Please check the appropriate box on the subscription card).

In return... the catalogue and its updates

Upon receipt of your subscription (and payment) you will receive the **Users' Library catalogue** and its periodic updates (3 to 4 per year), the **Users' Library Rules and Regulations** and various documents such as **order forms** and **submittal forms**.

Plus... four program coupons

In addition you will receive **four coupons** entitling you to choose four FREE programs from the Library, actually the countervalue of your subscription fee.

Plus... "Key-Notes" subscription

We recommend all members of the Users' Library to subscribe to the "Key-Notes" periodic newsletter. However, since "Key-Notes" is an English language publication, it will be sent only to those who wish to receive it, in which case you should return the separate "Key-Notes" subscription card.



**HEWLETT
PACKARD**

PN 5952-9709 English - 1 . 80 - M



Users' Program Library Europe

What is the HP Users' Library?

The HP Users' Library is a **customer service** offered by Hewlett-Packard to owners of advanced programmable personal calculators.

The Library offers programs contributed by calculator users as well as all the single programs contained in HP Application Pacs. Over **two thousand** application programs from all fields of science and professional activity are available. The Library is **multilingual**. Launched in 1974, the HP-65 Users' Library, later extended to the HP-67/97, has been a great success with over 10'000 members and over 2'000 contributed programs.

The Users' Library is application **assistance by users for users**, administered by HP.

Benefits of the Users' Library

Access to International Expertise

A subscription to the HP Users' Library allows you to take full advantage of the capabilities of your HP calculator **FASTER!** You gain access to a vast pool of knowledge with programs contributed by eminent specialists of various disciplines from all over Europe.*

Solutions

Solutions you are looking for may already exist. Avoid "reinventing-the-wheel" and spending hours if not days to duplicate somebody's work.

Learning aid

Discover interesting programming techniques and individual styles used by other programmers. Let their "tricks" and experience help you to master your calculator faster and more efficiently.

Program contributions

In the same way that **YOU** can benefit from other users' experience, **THEY** may need yours. Contribute your own programs to the Library and get a reward in form of free programs.

"Key-Notes"

"Key-Notes" is a periodic newsletter sent free to all owners of fully programmable calculators who wish to receive it (see separate subscription card). It contains programming tips and techniques, answers to frequently asked questions, advance information on new developments, interesting and unique applications as well as software updates and corrections. "Key-Notes" is an English-language publication.

* Neither HP nor the Contributor make any express or implied warranty of any kind with regard to the program materials.

How does the Users' Library operate?

PROGRAM ORDERS

Catalogue

Library members may order any program contained in the Users' Library Catalogue. The catalogue contains

- **Application sections** which lists all programs by application category for easy selection.
- **Abstract sections** with a short description of each program, the number of steps and the contributor's name. The abstract provides information to enable you to determine if the program will meet your needs.
- **Language sections** with colour coded pages for easy location.

How to order

Program orders must use the official order form supplied with the catalogue and with each order fulfillment. **Minimum order size is 4 programs.** Each program is defined by a 5 digit number. Double-size programs have a double number.

Price

The price per program is SFr.10.—. For this price you receive a copy of the original program documentation plus program listing and recorded magnetic card(s)*. Double-size programs cost SFr. 20.—.

Payment

Program orders for less than 10 programs must be accompanied by a cheque, preferably labelled in Swiss Francs (Eurocheque!) or the equivalent amount in convertible currency, payable to the "Users' Library Europe". You may also pay through bank transfer to the "Swiss Credit Bank", Geneva, account No 327-360. Invoices are established if desired, but only for program orders of 10 programs minimum.

Turn around time

Program orders are processed and mailed within one day after receipt of the order and the **payment**.

How does the Users' Library operate?

PROGRAM SUBMITTALS

Rewards

Since application programs are the lifeblood of the HP Users' Library, members are vividly encouraged to **contribute** their own programs.

Besides the international recognition and relations which a publication of your programs can bring forth, contributions are rewarded by the Users' Library in the form of **four free programs from the Users' Library**.

Format

To ensure common format all programs must be documented on the **official submittal forms**, preferably using a **typewriter**. A complete listing of the program as well as a **recorded magnetic card** must be included.

Language

Programs may be written and documented in any **European language**. The Users' Library catalogue is split in several language sections. Contributors who believe that their program would be of interest to a larger international community should document their submittal in English. Programs with strong national character, however, are better documented in local language. Eventually, contributors could submit the same program in English and local language which in addition, would yield them double compensation.

Correspondence

All correspondence with the Users' Program Library Europe should preferably be in **English**. The Users' Library will try, however, to answer also in German, French and Italian.

* A number of HP-67/97 programs are available only without magnetic cards and cost SFr. 8.—.

USERS' PROGRAM LIBRARY EUROPE
EUROPÄISCHE BENÜTZER-PROGRAMMBIBLIOTHEK
BIBLIOTHÈQUE EUROPÉENNE DE PROGRAMMES UTILISATEURS
LIBRERIA EUROPEA DEGLI UTILIZZATORI

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HP 41C PROGRAM SUBMITTAL FORM
PROGRAMMFORMBLATT/DOCUMENTATION DU PROGRAMME/GENERALITÀ SUL PROGRAMMA

Program Title Programmtitel Titre du programme Titolo del programma	SIMON		
Category No. Kategorie Nr. Catégorie N° Categoria N°	Name Rubrik Rubrique Nome della categoria	NUMBER AND WORD GAMES	
No. of program lines Anzahl Programmzeilen Nombre de lignes de programme Nº di linee di programma	104	No. of data registers Anzahl des benötigten Datenspeicher Nombre de registres de données Nº di registri utilizzati	40
Recommended HP 41C System configuration Empfohlene System-Konfiguration Configuration recommandée Configurazione raccomandata	Port # 1	Port # 2	Port # 3
			Port # 4
This program requires the following programs as subroutines: Dieses Programm benutzt folgende Programme als Unterprogramme: Ce programme utilise les programmes suivants comme sous-programmes: Questo programma usa i seguenti programmi come subroutine:			
HP Applications ROM HP Applikations ROM ROM d'application HP ROM di applicazione HP	Program Name: Programm: Nom du programme: Programma:		
Program Abstract Kurzbeschreibung Résumé Breve descrizione del programma	This game exercises your memory by presenting longer sequences of random numbers. Flag settings may be varied to change the difficulty of the game.		
Name Name / Nom / Nome KEN NEWCOMER			
Address Strasse / Adresse / Indirizzo 1000 NE Circle Blvd.			
City Ort Localité Città	CORVALLIS	Postal Code Postleitzahl Code postal C.A.P.	97330
		Country Land Pays Paese	OREGON/USA
ACKNOWLEDGMENT AND AGREEMENT Erklärung und Ermächtigung/Déclaration et Autorisation/Dichiarazione e Autorizzazione			
<p>To the best of my knowledge, I have the right to contribute this program material without breaching any obligation concerning nondisclosure or confidential information of other persons or organizations. I am contributing this program material on a nonconfidential nonobligatory basis to Hewlett-Packard S.A. ("HP") for inclusion in its program library, and I agree that HP may use, duplicate, modify publish, and sell the program material, and authorize others to do so without obligation or liability of any kind. HP may publish my name and address, as the contributor, to facilitate user inquiries pertaining to this program material.</p> <p>Ich versichere nach bestem Wissen, dass ich über meinen Programmbeitrag frei verfügen kann, ohne dass sich dadurch für HP, andere Programmbenutzer oder mich irgendwelche Verpflichtungen gegenüber Dritten oder sonstige rechtliche Nachteile ergeben. HP kann meinen Programmbeitrag ohne Geheimhaltungs- und sonstige Verpflichtungen in beliebiger Weise benutzen oder verwerfen. Gegen eine Veröffentlichung meines Namens im Zusammenhang mit meinem Programmbeitrag habe ich nichts einzubwenden.</p> <p>Au mieux de ma connaissance, je déclare avoir le droit de fournir le présent programme sans enfreindre des obligations de secret à l'égard d'autres personnes ou organismes. Je fournis le présent programme à la Société Hewlett-Packard S.A. («HP») sur une base non confidentielle, pour incorporation dans sa bibliothèque de programmes et j'autorise HP, qui pourra à son tour autoriser d'autres personnes, à l'utiliser, le reproduire, le modifier, le publier et le distribuer, sans obligations ni responsabilités d'aucune sorte. HP est autorisée à publier mes nom et adresse en tant qu'auteur du présent programme, en vue de faciliter les échanges d'informations avec les utilisateurs de ce programme.</p> <p>Per quanto ne sia a conoscenza, ho il diritto di fornire questo programma senza violare alcun obbligo di segreto o confidenzialità verso altre persone o organismi. Fornisco questo programma alla Hewlett-Packard S.A. («HP») su una base non confidenziale per includerlo nella sua biblioteca di programmi e autorizzo la società HP, la quale a sua volta potrà autorizzare in questo senso altre persone, a utilizzarlo, riprodurlo, modificarlo, pubblicarlo e distribuirlo senza obbligo né responsabilità di alcuna specie. La società HP potrà, a sua discrezione, pubblicare il mio nome e indirizzo quale autore del presente programma onde facilitare lo scambio d'informazioni con gli utilizzatori dello stesso.</p>			
Date Datum Date Data	Signature Unterschrift Signature Firma		

PROGRAM DESCRIPTION

PROGRAMMBESCHREIBUNG
DESCRIPTION DU PROGRAMME
DESCRIZIONE DEL PROGRAMMA

Page 2 of 7

Application, Equations, Variables

Anwendung, Gleichungen, Veränderliche
Application, Equations, Variables
Applicazione, Equazioni, Variabili

STORE A SEED OF π IN R_{∞} TO DUPLICATE THIS GAME

Operating limits and Warnings

Grenzen und Einschränkungen
Limites et restrictions
Limiti operativi e avvertenze

This program has been verified only with respect to the numerical example given in Program Description II. User accepts and uses this program material AT HIS OWN RISK, in reliance solely upon his own inspection of the program material and without reliance upon any representation or description concerning the program material.

NEITHER HP NOR THE CONTRIBUTOR MAKES ANY EXPRESS OR IMPLIED WARRANTY OF ANY KIND WITH REGARD TO THIS PROGRAM MATERIAL, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NEITHER HP NOR THE CONTRIBUTOR SHALL BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING OUT OF THE FURNISHING, USE OR PERFORMANCE OF THIS PROGRAM MATERIAL.

Dieses Programm wurde lediglich anhand des in der Programmbeschreibung II enthaltenen Zahlenbeispiels überprüft. Der Benutzer erhält und benutzt das Programmmaterial auf eigenes Risiko hin; er hat es deshalb – gleichgültig, ob es bereits anderweitig präsentiert oder beschrieben wurde – selbst zu untersuchen.

WEDER HP NOCH DER EINSENDER DES PROGRAMMS ÜBERNEHMEN FÜR DAS PROGRAMMATERIAL EINE IRGENDWIE GEARTETE GEWÄHRLEISTUNG ODER HAFTUNG, INSbesondere NICHT FÜR SEINE VERKAUFÜCHIGKEIT ODER SEINE VERWENDBARKEIT FÜR EINEN BESTIMMTEN ZWECK. HP UND DER EINSENDER HAFTEN AUCH NICHT FÜR INDIREKTE ODER FOLGESCHÄDEN.

Le présent programme n'a été vérifié qu'en ce qui concerne l'exemple numérique indiqué dans la description du programme II. L'utilisateur accepte et utilise le présent programme À SES PROPRES RISQUES et doit se fier uniquement à sa propre inspection dudit programme sans se référer à toute autre déclaration et description.

HP ET LE FOURNISSEUR NE DONNENT AUCUNE GARANTIE, EXPRESSE OU IMPLICITE CONCERNANT LE PRÉSENT PROGRAMME, NOTAMMENT DE COMMERCIALISATION ET D'ADAPTATION À UN USAGE PARTICULIER. HP ET LE FOURNISSEUR N'ASSUMENT AUCUNE RESPONSABILITÉ EN CE QUI CONCERNE LES DOMMAGES INDIRECTS NÉS DE LA FOURNITURE, DE L'UTILISATION OU DU Fonctionnement DU PRÉSENT PROGRAMME.

Questo programma è stato verificato soltanto per quanto concerne l'esempio numerico indicato nella Descrizione del Programma II. L'utilizzatore accetta e utilizzerà il presente programma A SUO INTERO RISCHIO, fidandosi unicamente della propria verifica del programma e non basandosi su altre dichiarazioni o descrizioni.

NÉ LA SOCIETÀ NÉ L'AUTORE DANNO ALCUNA GARANZIA IMPLICITA O ESPlicita CONCERNENTE IL PRESENTE PROGRAMMA, IN SPECIAL MODO RIGUARDÒ ALLA SUA COMMERCIALIZZAZIONE O ADATTABILITÀ AD UN USO PARTICOLARE. NÉ LA SOCIETÀ HP NÉ L'AUTORE ASSUMONO ALCUNA RESPONSABILITÀ PER DANNI IMMEDIATI O MEDIATI CAUSATI DALLA FORNITURA, UTILIZZAZIONE O FUNZIONAMENTO DEL PRESENTE PROGRAMMA.

(Example continued)
(Beispiel Fortsetzung)
(Exemple, suite)
(Esempio)

PROGRAM DESCRIPTION

PROGRAMMBESCHREIBUNG DESCRIPTION DU PROGRAMME DESCRIZIONE DEL PROGRAMMA

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USER INSTRUCTIONS I

**PROGRAMMABLAUF I
INSTRUCTIONS D'EMPLOI I
NORME OPERATIVE I**

Step Schritt Pas Passo	Instructions Operation Instructions Istruzioni	Variables Dateneingabe Données Dati	Function(s) Taste(n) Touche(s) Tasti	Result Resultat Résultat Risultato
1	Key in program.			
2	Begin a new game.		XEQ "GAME" ¹	HOW MANY ?
3	Key in the longest sequence you desire. n* (≤ 10)		R/S	SEQUENCE NUMBERS
4	Repeat the sequence you just saw.	sequence	R/S	YES OR NO
5	Step 4 is repeated until you win or lose			YOU WIN YOU MISSED m
NOTE 1: You can set flag 0 (SFO0) to use longer and longer pieces of the same sequence. This version of the game is easier for young children.				
NOTE 2: You can clear flag 26 (CF26) to suppress the tone and make the sequences pass more quickly. Some people find them easier to memorize this way.				
<p>* You can start with a sequence longer than 1 digit by keying in a number of the form 1000a+b where a is one less than the length of the first sequence you want and b is the maximum length. For example, 2006 would yield sequences of lengths 3,4,5, and 6.</p> <p>¹ You can assign it to some key.</p>				

- * You can start with a sequence longer than 1 digit by keying in a number of the form $1000a+b$ where a is one less than the length of the first sequence you want and b is the maximum length. For example, 2006 would yield sequences of lengths

¹ You can assign it to some key.

PROGRAM LISTING

PROGRAMMAUFLISTUNG
LISTAGE DU PROGRAMME
LISTATO DI PROGRAMMA

Page **5** of **7**

Line Zeile Ligne Linea	Keystrokes Tastenfolge Touches Tasti	Comments Kommentar Commentaires Commenti	Line Zeile Ligne Linea	Key pressed Tastenfolge Touches Tasti	Comments Kommentar Commentaires Commenti
01♦LBL "R"		Random number generator	51 AVIEW		
02 FS? 00			52 RTN		
03 RTN			53♦LBL "TON		
04 RCL 00			ES"		
05 9821			54 RCL 01		
06 *			55 INT		
07 .211327			56 STO 03		
08 +			57 RCL 00		
09 FRC			58 FRC		
10 1.1111			59♦LBL 03		
11 *			60 10		
12 FRC			61 *		
13 STO 00			62 INT		
14 RTN			63 VIEW X		
15♦LBL "GAM			64 TONE IND		
E"			X		
16 FIX 0		Set display format	65 LASTX		
17 CF 29			66 FRC		
18 CF 06		Clear error flag	67 DSE 03		
19 FS?C 00		Save status of F00	68 GTO 03		
20 SF 07			69 RTN		
21 XEQ "R"			70♦LBL "NO"		
22 FS?C 07			71 SF 06		
23 SF 00			72 TONE 2		
24 "HOW MAN			73 TONE 0		
Y?"			74 "NO: "		
25 PROMPT		Ask for maximum length	75 ARCL X		
26 1 E3			76 "F, NOT		
27 /			"		
28 1			77 ARCL Y		
29 +			78 AVIEW		
30 STO 01		Set up counters	79 PSE		
31 CLX			80 1		
32 STO 02			81 ST+ 02		
33♦LBL 10			82 ISG 01		
34 RCL 01			83 GTO 10		
35 INT			84♦LBL 01		
36 XEQ "R"		Get a sequence	85 "YOU MIS		
37 XEQ "TON			SED "		
ES"		Display the sequence	86 ARCL 02		
38 XEQ "?"			87 CF 06		
39 FS? 05		Ask player what he saw	88 AVIEW		
40 GTO "NO"			89 RTN		
41 "YES: "		If wrong, branch to "NO"	90♦LBL "?"		
42 ARCL X			91 "NUMBERS		
43 AVIEW			"		
44 ISG 01		Increment counter	92 PROMPT		
45 GTO 10		Repeat loop	93 CF 05		
46 FS?C 06		If any errors,	94 RCL 00		
47 GTO 01		skip win message	95 RCL 01		
48 BEEP			96 INT		
49 BEEP			97 10↑X		
50 "YOU WIN		win message	98 *		
"			99 INT		

PROGRAM LISTING

PROGRAMMAUFLISTUNG
LISTAGE DU PROGRAMME
LISTATO DI PROGRAMMA

Page 6 of 7

Line Zeile Ligne Linea	Keystrokes Tastenfolge Touches Tasti	Comments Kommentar Commentaires Commenti	Line Zeile Ligne Linea	Key pressed Tastenfolge Touches Tasti	Comments Kommentar Commentaires Commenti
100	X=Y?	If correct, then	51		
101	RTN	done			
102	SF 05				
103	RTN	Otherwise, set			
104	.END.	error flag	55		
10			60		
15			65		
20			70		
25			75		
30			80		
35			85		
40			90		
45			95		
50			00		

Please use paper glue to attach listings. Adhesive tape may affect print!
Bitte Listings mit Papierkleim einkleben. Klebefilme können Druck bleichen!

S.V.P., utilisez de la colle à papier pour fixer les listings. Les rubans adhésifs peuvent altérer l'impression!
Per favore usare la colla per fissare i listati. Il nastro adesivo può alterare lo stampato!

REGISTERS, STATUS, FLAGS
REGISTERBELEGUNG, FLAGS, BETRIEBSARTEN
REGISTRES, INDICATEURS, MODES OPÉATOIRES
REGISTRI, MODI OPERATIVI, FLAGS

Page 7 of 7

Registers			Status			
Datenpeicher			Bedeutung			
Registres de données			Signification			
Registri			Scopo			
00	Random sequence	50	Size	004	Total Reg. 40	
	length counter		Eng	<input type="checkbox"/>	Fix <input checked="" type="checkbox"/> 0 Sci <input type="checkbox"/>	
	error counter		Deg	<input type="checkbox"/>	Rad <input type="checkbox"/> Grad <input type="checkbox"/>	
	tones counter					
05		55	Purpose	Flags		
			Bedeutung	SET	CLEAR	
			Signification			
			Scopo			
10		60	00	same sequence	<input checked="" type="checkbox"/> different sequence	
			01			
			02			
			03			
			04			
			05			
			06	error has occurred	<input checked="" type="checkbox"/> no error yet	
			07	temporarily matches	flag 00	
15		65	08			
			09			
			10			
			11	Audio execute		
			12			
20		70	13			
			14			
			15			
			16			
			17			
25		75	18			
			19			
			20			
			21	Printer Enable		
			22	Number Input		
30		80	23	Alpha Input		
			24	Range Ignore		
			25	Error Ignore		
			26	Audio Enable	<input checked="" type="checkbox"/> tones no tones	
			27	User Mode		
35		85	28	Decimal Point		
			29	Digit Grouping		
40		90	Assignments Tastenbelegung / Assignations / Assegnamenti			
			Function	Key	Function	Key
			Funktion	Taste	Funktion	Taste
			Fonction	Touche	Fonction	Touche
			Funzione	Tasto	Funzione	Tasto
45		95				
		99				

CATALOG



PROGRAM CATALOG

SAMPLE

 HEWLETT
PACKARD

Program Abstracts

10.0 JC 41C-DRYWALL AND INSULATION

ESTIMATE

Estimates Cost of Drywall and Insulation Given Area, Item Cost, and Labor Rate. (Avail in Home Const Est Sol Bk)

062 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-SHEATHING AND SUBFLOOR

ESTIMATE

Given the Area, Size and Item Cost of Plywood, and Labor Factor, Estimates Sheathing and Subfloor Construction Amounts. (Avail in Home Const Est Sol Bk)

075 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-PAINTING ESTIMATE

Estimates Amounts and Costs for Painting Based on Paint Cost and Coverage and Labor Costs. (Avail in Home Const Est Sol Bk)

072 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-WOOD FLOOR ESTIMATE

Estimates Costs for Installing and Finishing a Hardwood Floor. (Avail in Home Const Est Sol Bk)

065 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-GEAR FORCES

Computes the Forces on Helical, Bevel, or Worm Gears. (Avail in Mech. Engr. Sol. Book)

118 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-STRESS ON AN ELEMENT

Performs Mohr Circle Stress Analysis, and Reduces Rosette Strain Gage Data. (Avail. In Mech. Engr. Sol. Book)

203 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-CONSTANT PAYMENT TO PRINCIPAL LOAN

With This Type of Loan Each Payment Is of a Different Amount with a Constant Amount Applied to the Principal and Decreasing Amount to Interest. (Avail. In Lend. Savings Leasing Sol. Book)

108 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-SODERBERG'S EQUATION FOR FATIGUE

Given Six Variables, This Program Will Calculate the Seventh Unknown. (Avail. In Mech. Engr. Sol. Book)

197 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-SPRING CONSTANT

Performs an Interchangeable Solution Between Load, Deflection and Spring Constant for Linear Springs. (Avail. In Mech. Engr. Sol. Book)

081 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-PROGRESSION OF A SLIDER CRANK

Calculates Displacement, Velocity, Acceleration, and Other Quantities. (Avail. In Mech. Engr. Sol. Book)

209 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-FREE VIBRATIONS

Provides an Exact Solution to the Differential Equation for a Damped Oscillator Vibrating Freely. (Available in Mech. Engr. Sol. Book)

203 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-INTERFERENCE FITS

Calculates Contact Pressure or Interference for Concentric Cylinders. (Avail. In Mech. Engr. Sol. Book)

173 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-LINEAR OR ANGULAR DEFORMATION

Solves for Linear Deflection Under Tensile Load or Angular Deflection Under Torque. (Avail. In Mech. Engr. Sol. Book)

091 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-CONSTANT ACCELERATION

Calculates Displacement, Acceleration, Initial Velocity and Time for an Object Undergoing Constant Acceleration. (Avail. In Mech. Engr. Sol. Book)

085 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-ONE SAMPLE TEST STATISTICS FOR THE MEAN

Calculates the Z Statistic for Testing the Mean If the Variance Is Known. If the Variance Is Unknown, Then the T Statistic Is Calculated. (Avail. In Test Statistics Sol. Book)

045 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-TEST STATISTICS FOR THE CORRELATION COEFFICIENT

The T Statistic Can Be Used to Test if the True Correlation Coefficient Is Zero. The Z Statistic, Which Can Be Used to Test If the Correlation Coefficient Equals a Given Number (Usually Non-Zero) Is Also Calculated. (Avail. In Test Stat. Sol. Book)

074 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-DIFFERENCES AMONG PROPORTIONS

Calculates the Chi-Square Statistic for Testing If Several Independent Binomial Distributions Have Equal Means. (Avail. In Test Stat. Sol. Book)

097 PROGRAM STEPS

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CORVALLIS, OR

10.0 JC 41C-BEHRENS-FISHER STATISTIC

Given Random Samples from Two Independent Normal Populations with Unequal Variances (Unknown), the Program Calculates the Behrens-Fisher Statistic for Testing the Means. (Avail. In Test Stat. Sol. Book)

064 PROGRAM STEPS

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CORVALLIS, OR

10.0 JC 41C-KRUSKAL-WALLIS STATISTIC

The Kruskal-Wallis Statistic Can Be Used to Test If the Independent Random Samples Come from Identical Continuous Population. (Avail. In Test Stat. Sol. Book)

075 PROGRAM STEPS

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10.0 JC 41C-MEAN-SQUARE SUCCESSIVE DIFFERENCE

The Mean-Square Successive Difference Is Used to Test If a Given Sample Is Large and the Population Is Normal. Then AZ Statistic Is Used Instead. (Avail. In Test Statistics Sol. Book)

060 PROGRAM STEPS

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CORVALLIS, OR

10.0 JC 41C-THE RUN TEST FOR RANDOMNESS

For a Given Sequence, The Z Statistic Is Calculated for Testing the Randomness of the Sequence. (Avail. In Test Stat. Sol. Book)

058 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
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10.0 JC 41C-INTERCLASS CORRELATION COEFFICIENT

Calculates the Intraclass Correlation Coefficient Which Measures the Degree of Association Among Individuals Within Classes or Groups. (Avail. In Test Stat. Sol. Book)

116 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-FISHER'S EXACT TEST FOR A 2X2 CONTINGENCY TABLE

Fisher's Exact Probability Test Is Used to Analyze a 2x2 Contingency Table When the Two Independent Samples Are Small in Size. (Avail. In Test Stat. Sol. Book)

104 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-BARTLETT'S CHI-SQUARE STATISTIC

This Chi-Square Statistic Can Be Used to Test the Homogeneity of Variances. Error Corrector for Erroneous Input Data Is Provided. (Avail. In Test Statistics Sol. Book)

096 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-MANN-WHITNEY STATISTIC

Calculates the Mann-Whitney Statistic on Two Independent Samples of Equal or Unequal Sizes. Error Corrector for Erroneous Input Data Is Provided. (Avail. In Test Statistics Applic. Pac)

069 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-KENDALL'S COEFFICIENT OF CONCORDANCE

Calculates Kendall's Coefficient of Concordance to Test Agreement Between Rankings. Error Corrector for Erroneous Input Data Is Provided. (Avail. in Test Statistics Sol. Book)

090 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR

10.0 JC 41C-NUMBER HUNT

This Is a Number Guess Program. The Calculator Hides a Whole Number Between 1 and 1,000 As You Guess, The Calculator Tells You If You Are Over 10 High or Low or Under 10 High or Low. After Play, The Calculator Will Tell You How You Rated.

124 PROGRAM STEPS

R SUTTER
CORVALLIS, OR

10.0 JC 41C-BASEBALL SIMULATION

This Program Simulates a Baseball Game with Lineups of Real Players. Program Includes Section on Making Data Cards of Players Based on Their Lifetime Statistics. Once Data Cards Are Made, The Starting Lineups Are Entered in for Each Team and the Game Starts. Requires Printer (82143a), Card Reader (82104a) and Three Memory Modules.

519 PROGRAM STEPS

EA DIPPEL
CORVALLIS, OR

10.0 JC 41C-MAGIC SQUARES

This Program Generates a Two-Dimensional Square Matrix; in Which the Sums of All the Rows, Columns, and Main Diagonals Are the Same.

196 PROGRAM STEPS

RW SALO
CORVALLIS, OR

10.0 JC 41C-SCRIPT LETTERS

This Program Uses the "Special-Characters" Feature of the Hp 82143a Printer to Form Legible Script Characters.

085 PROGRAM STEPS

KE NEWCOMER
CORVALLIS, OR

10.0 JC 41C-PRESSURE CALCULATION FOR HP 2813B QUARTZ PRESSURE GAUGE

This Program Solves the Equation for Pressure, Given Frequency and Bottom Hole Pressure. One Memory Module Required for Necessary Accessories.

203 PROGRAM STEPS

USERS LIBRARY HEWLETT-PACKARD CO.
CORVALLIS, OR