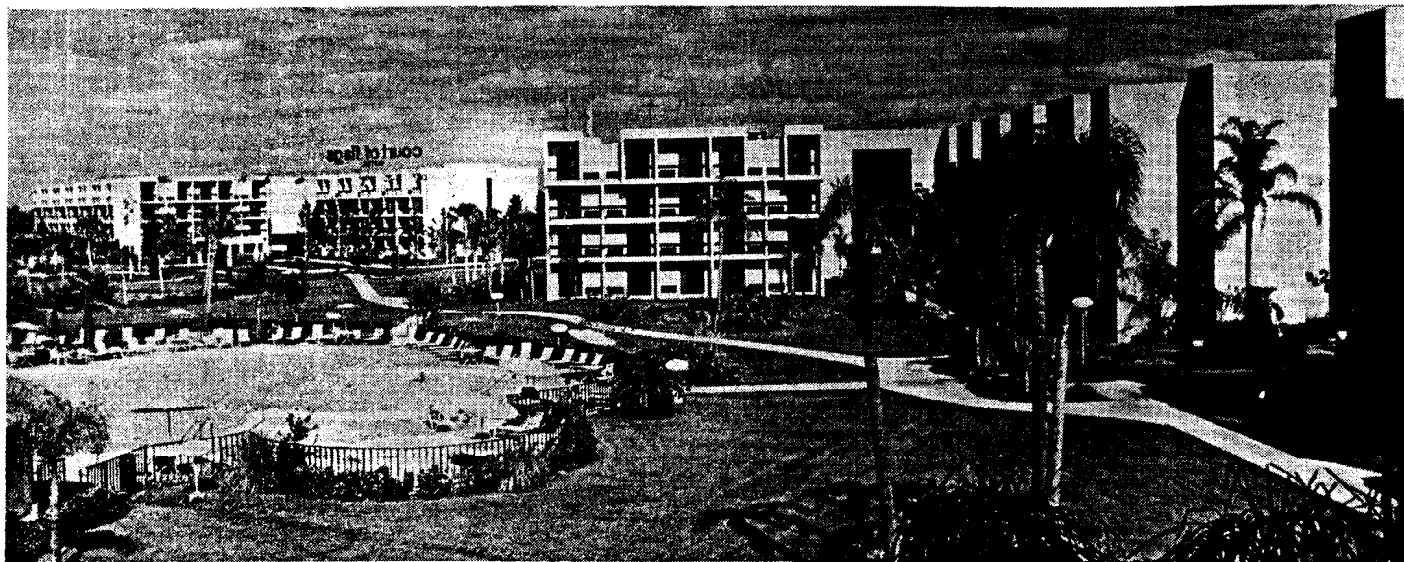


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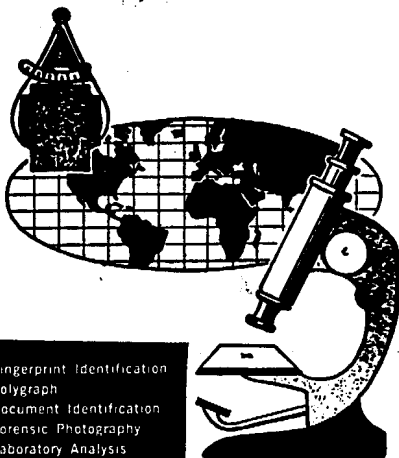
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Court of Flags Hotel — Orlando, Florida
1983 Conference Site

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INTERNATIONAL ASSOCIATION FOR IDENTIFICATION

NCIC FINGERPRINT FILING SEQUENCE FORMULA

By ANDRES J. WASHINGTON

The author is a correction officer, New York City Department of Correction, Bronx, N. Y. The following is a formula for filing the NCIC Code into a sequential order which may be used in a physiological study of the combination of fingerprint patterns and their frequency for each digit. The formula was developed by Washington in an independent study.

1. Each code for the NCIC FPC is assigned a number of the 115 possible:

AA=01	78=30	08=59	37=88
tt = 02	79=31	09=60*	38=89
51=03	80=32	10=61	39=90
52=04	81=33	11=62	40=91
53=05	82=34	12=63	41=92
54=06	83=35	13=64	42=93
55=07	84=36	14=65	43=94
56=08	85=37	15=66	44=95
57=09	86=38	16=67	45=96
58=10	87=39	17=68	46=97
59=11	88=40	18=69	47=98
60=12	89=41	19=70	48=99
61=13	90=42	20=71	49=100
62=14	91=43	21=72	50=101
63=15	92=44	22=73	PI=102
64=16	93=45	23=74	PM=103

65=17	94=46	24=75	PO=104
66=18	95=47	25=76	CI=105
67=19	96=48	26=77	CM=106
68=20	97=49	27=78	CO=107
69=21	98=50	28=79	DI=108
70=22	99=51	29=80	DM=109
71=23	01=52	30=81	DO=110
72=24	02=53	31=82	XI=111
73=25	03=54	32=83	XM=112
74=26	04=55	33=84	XO=113
75=27	05=56	34=85	SR=114
76=28	06=57	35=86	XX=115
77=29	07=58	36=87	

2. The NCIC FPC contains 20 boxes, each pair of boxes represents one finger beginning with the right thumb as the No. 1 finger and ending with the left little finger as the No. 10 finger; the left thumb is then No. 6. For every consecutive pair of boxes, one code can be assigned out of a possible 115 codes (from AA to XX). This means that there are actually only 10 individual segments for the NCIC FPC Code, with each one maintaining a pair of the 20 boxes to represent an individual code.

3. Let (X) equal the number of assigned to the NCIC FPC code.

4. Each of the ten segments with the exception of segment #1 must be assigned a decimal number which shall be added to the assigned number for the given NCIC FPC code.

1	2	3	4	5	6	7	8	9	10
X	X.00001	X.00002	X.00003	X.00004	X.00005	X.00006	X.00007	X.00008	X.00009

5. This adding of the decimal number to the assigned number for the NCIC FPC code must be done in order to establish a unique numerical value to each segment of the ten segment unit. Segment number 1, however, need not be assigned a decimal value because the other nine segments maintain an identity distinguishable from it. (The reason for choosing #1 segment as the one which shall not be assigned a decimal value is because #1 segment is the only segment which can

provide us with the lowest possible number in the calculation if no decimal was to be added to it). It can be noted that in this way no two or more segments can provide the same exact number. Furthermore, no two NCIC FPC codes can provide the same filing number, even if the original code appeared in a reverse sequence.

(Turn Page Please)

6.

NCIC FPC CODE	1	4	X	X	A	A	C	O	O	4	S	R	5	9	T	T	d	M	1	0
Number assigned to the given code	65		115		1		107		55		114		11		2		109		61	
Decimal added to the assigned number	65		115.00001		1.00002		107.00003		55.00004		114.00005		11.00006		2.00007		109.00008		61.00009	

7. After the decimal number is added to the assigned number for the NCIC FPC code, multiplication takes place. That is, #1 segment times #2 segment and that product multiplied by #3 segment, and so on until #10 segment has been included in the multiplication. The end product shall provide the filing location for the given NCIC FPC code.

8. When there are ten segments and 115 possible

codes for each segment, the total number of possible combinations is approx. 404,560,000,000,000,000.

9. **Example:** (65) x (115.00001) x (1.00002) x (107.00003) x (55.00004) x (114.00005) x (11.00006) x (2.00007) x (109.00008) x (61.00009) = 733,620,000,000,000.

10. In conclusion, the NCIC FPC 14XXAAC004SR59-TTDM10 would be filed as the 733,620,000,000,000th code between 1 and 404,560,000,000,000,000.

I. A. I. — ALASKA '84

Many of our members have expressed a desire to receive information on coming to Alaska to attend the 69th annual training conference, June 11 to 15, 1984.

The abundance of information on driving the 2,000-plus miles between Canada's southwestern border and Anchorage is too vast for publishing in **Identification News**. Therefore, upon request the I.A.I. Alaska '84 Conference Committee will send a copy of **The Milepost**, a comprehensive guide to roads, lodging, fuel, sight-seeing, etc., of Western Canada and Alaska. The cost of **The Milepost** is \$9.95 plus \$3.00 for postage and handling, for a total of \$12.95 (U. S. funds). Checks should be made payable to the I. A. I. Alaska '84 and should be sent to I.A.I. Alaska '84, % John Sauve, 5700 East Tudor Road, Anchorage, AK 99507, Attention: Laboratory, or to I.A.I. Alaska '84 % Thomas Morris, 625 C Street, Anchorage, AK 99501, Attention: Identification Division.

For members requesting information on air fares, we are negotiating with the airlines and hope to have some good information shortly.

For those wishing information on the Alaska State Ferry schedules between Seattle and Haines, those wanting to travel the marine route should plan on departing Seattle no later than Friday, June 1, 1984. The cost and times of departure and arrivals are not available at this time, but information on the marine route is listed in **The Milepost**.

Specific questions concerning I.A.I. Alaska '84 may be directed to John Sauve or Thomas Morris at the addresses above.

POSITIONS OPEN

The Suffolk County Criminalistics Laboratory is currently accepting applications for employment in the following specialties: Serology, Criminalistics, Chemistry and Questioned Documents.

Minimum requirements: Bachelor's degree in Forensic Science or one of the natural sciences and one year's forensic experience in the specialty applied for.

Salary: \$23,000 to \$26,800.

For further information contact:

ANDREW VARANELLI, Director
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Suffolk County Office Building
Veterans Memorial Highway
Hauppauge, N. Y. 11788
Telephone: (516) 360-5585

ATTENTION !

Document Examiner Correction

The telephone number of Sgt. Robert J. Goldman, printed under Document Examiners in the December issue of **Identification News**, was inadvertently transposed. The correct number for Sgt. Robert J. Goldman, Orlando Police Department, is (305) 849-2419.

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