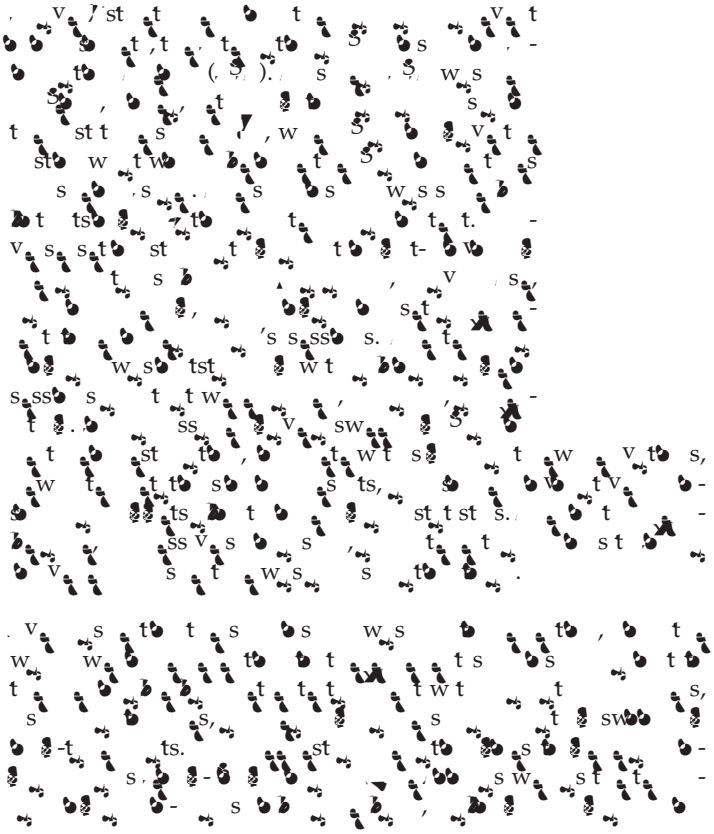
IEEE
Information Theory
Society Newsletter

IEEE Information Theory Society Newsletter

Postmaster:

Table of Contents

0



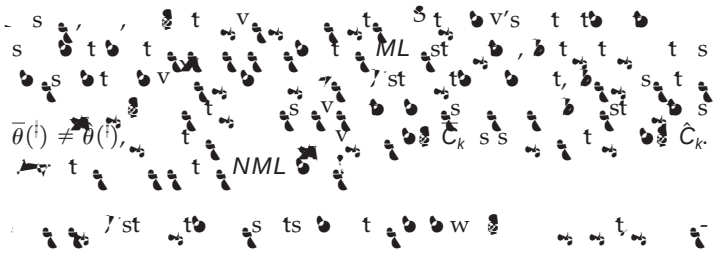
Chapter of the Year Award

Giuseppe Caire
ITSoc. 2nd VP and chair of the
Membership & Chapters Committee

In Memoriam, Wes Peterson

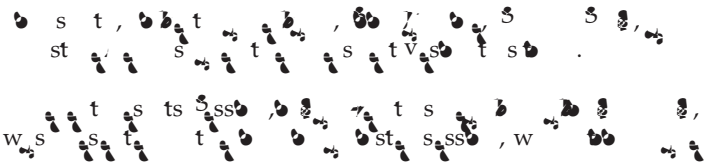
Ned Weldon and Shu Lin

Wes Peterson, 1924–2009



The Historian's Column

Anthony Ephremides

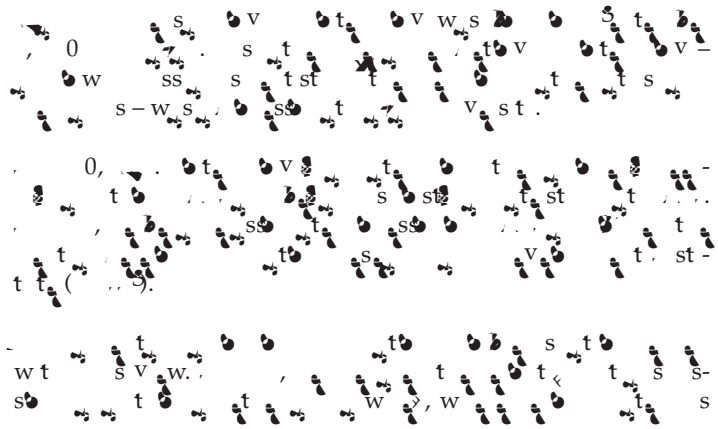


Background:

Just as a horse is born to race,
a bull–to plough the land,
a dog–to trace, so a man is born
for two matters–for cognition and
action as a certain mortal God.
Aristotle

Introduction

Biographic Sketch



GOLOMB'S PUZZLE COLUMN™

Some Partition Problems Solutions

Solomon W. Golomb

$P_k(n)$ $\binom{n+k-1}{n}$ $x_1 + x_2 + \ldots + x_k$ n x_i'

$p_k(n)$ $\binom{n-1}{n-k}$ $x_i \geq$ x_i' n $n-k$

$p_2(n)$ $\frac{n}{2}$ $m, \leq m \leq \frac{n}{2}$ n $m+(n-m)$ (x $\leq x$)

$P_2(n)$ $n -$ n $m+(n-m)$ m $\leq m \leq n -$

$p_2'(\ )$ $, p_2'(\ )$ $n \geq$ $, p_2'(n)$ $\frac{1}{2}\phi(n)$ ( )

$P_2'(n)$ $\phi(n)$ $n >$ $\phi(n)$,

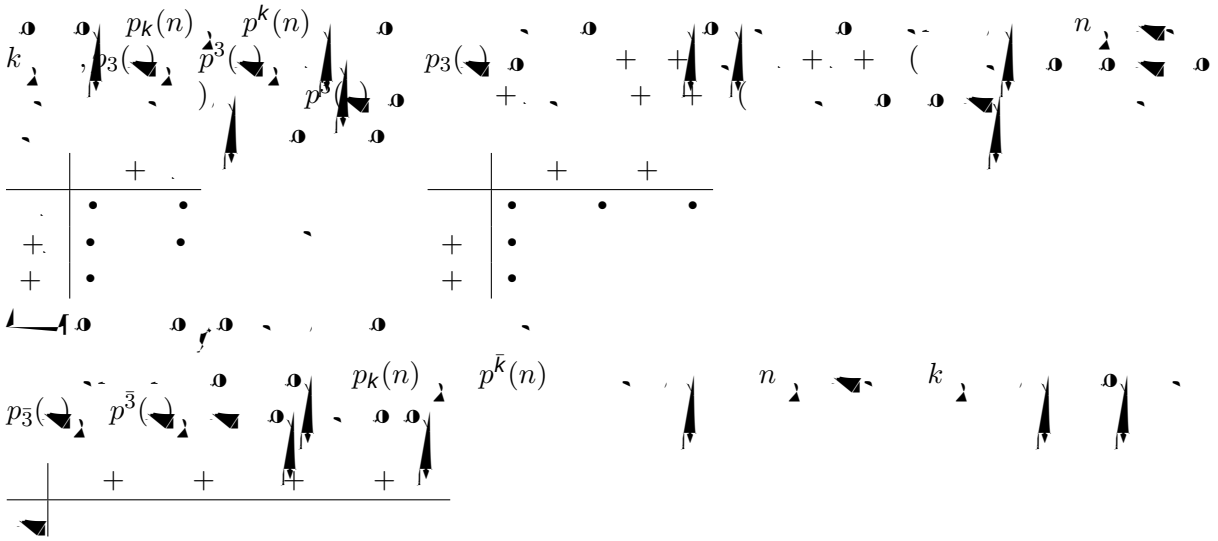
$m, \leq m \leq n -$ (m,n) n $m+(n-m)$

n $a+b+c$ $a \geq b \geq c$ $n+$

$n+$ $(a+\ )+b+c$ $m \geq$ n $a+b+c$

$a > b \geq c,$ $n+$ $a+(b+\ )+c$ *additional* $n+$

$n \geq$ $p_3^{(n,h)}(n) < p_3(n)$ c n q n



odd

$$(1+x+x^2+x^3+\cdots)(1+x^3+x^6+x^9+\cdots)(1+x^5+x^{10}+x^{15}+\cdots)\cdots$$

$$\frac{1}{1-x}\cdot\frac{1}{1-x^3}\cdot\frac{1}{1-x^5}\cdot\frac{1}{1-x^7}\cdots=\prod_{j=1}^{\infty}\frac{1}{1-x^{2j-1}}=\sum_{n=0}^{\infty}c_2(n)x^n.$$

$c_1(n)$ $c_2(n)$ $n \geq$

$$\prod_{j=1}^{\infty}(1-x^{2j-1})\cdot\prod_{j=1}^{\infty}(1+x^j)$$

(each $(1-x^{2j-1})$ $(1+x^{2j-1})(1+x^{2(2j-1)})(1+x^{4(2j-1)})(1-x^{8(2j-1)})\cdots$.)

Notes ( )

$p_3(n)$

$p_2(n)$

$p_3(n)$

Conference Calendar

DATE	CONFERENCE	LOCATION	WEB PAGE	DUE DATE
[illegible]	**2009 IEEE 70th Vehicular Technology Conference (VTC2009-Fall)**	[illegible]	[illegible]	[illegible]
[illegible]	**47th Annual Allerton Conference on Communication, Control and Computing (Allerton 2009)**	[illegible]	[illegible]	[illegible]
[illegible]	**2009 IEEE Information Theory Workshop (ITW 2009)**	[illegible]	[illegible]	[illegible]
[illegible]	**23rd IEEE Computer Communications Workshop (CCW 2009)**	[illegible]	[illegible]	[illegible]
[illegible]	**Asilomar Conference on Signals, Systems, and Computers**	[illegible]	[illegible]	[illegible]
[illegible]	**2009 IEEE Global Communications Conference (GLOBECOM 2009)**	[illegible]	[illegible]	[illegible]
[illegible]	**Twelfth IMA International Conference on Cryptography and Coding**	[illegible]	[illegible]	[illegible]
[illegible]	**2010 IEEE Information Theory Workshop (ITW 2010)**	[illegible]	[illegible]	[illegible]
[illegible]	**8th International ITG Conference on Source and Channel Coding (SCC'10)**	[illegible]	[illegible]	[illegible]
[illegible]	**2010 International Zurich Seminar on Communications**	[illegible]	[illegible]	[illegible]
[illegible]	**IEEE INFOCOM 2010**	[illegible]	[illegible]	[illegible]
[illegible]	**IEEE International Conference on Communications (ICC 2010)**	[illegible]	[illegible]	[illegible]
[illegible]	**IEEE International Symposium on Information Theory**	[illegible]	[illegible]	[illegible]
[illegible]	**2010 International Symposium on Information Theory and its Applications and 2010 International Symposium on Spread Spectrum Techniques and Applications**	[illegible]	[illegible]	[illegible]

[illegible]