

PRELIMINARY REPORT ON BIRD BANDING IN NEW ZEALAND 1971-1972

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During the year ended 31 March 1972 a total of 35,125 birds were banded while 11,994 recoveries and 9,704 repeats received during the year were added to the records of the New Zealand Bird Banding Scheme. A number of these recoveries and repeats were made in earlier years but had been held over while the computer system was completed. However, these additions represent a 16% increase in the records held which is a most satisfactory increase for one year. Indications are that up to 20,000 recoveries and repeats will be added in 1972-73 which should eliminate the majority of records which have till now been withheld.

TABLE ONE — PROVISIONAL SUMMARY

Species Banded 1971-1972	96
Total Species Banded	179
Species Recovered 1971-1972	81
Total Species Recovered	123
Species with more than 10,000 Banded	19
Species with more than 1,000 Recovered	16
Percentage Recovered:—	
Game Species	23.51%
Non-Game Species	10.87%
All Species	15.17%

Details of the numbers per species banded and recovered are shown in Table 2 while a selection of interesting age and distance recoveries is shown in Table 3.

The continuation of checks on data held in the computer files since conversion has resulted in the removal of a number of duplicate records. The result has been a change in some totals previously reported for the period 1964-1971. It is not expected that final definitive totals for a number of species mentioned in the 1964-1971 report and especially game species will be available for 2 years as past records of banding and recoveries are cross checked with existing records.

The further growth in emphasis on specific studies has resulted in a general decrease in the number of birds banded with a proportionate increase in the number of birds recovered. The increasing number of important studies throughout New Zealand are showing the continuing relevance of banding as a research tool. The development of new banding techniques coupled with improved observation has resulted in long term data on species which has few equals overseas.

I continue to be indebted to the co-operation received from banding operators: my assistants G. Hatzakortzian, and Mrs S. J. McKenzie for their painstaking work; the Government Engineering Computer Centre (Ministry of Works) for their facilities and maintenance of "BIRDBAND" and assistance in development of retrieval programmes; the Government Computer Centre for card punching and verification, and my other colleagues in the Wildlife Service for their assistance.

TABLE TWOBANDING AND RECOVERY TOTALSPAGE 1

Number banded = New birds only.
 Recoveries = Birds Recovered at least once.
 Repeat = Extra recoveries for birds recovered once.

() Provisional Total Only.

+ = New Species 1971-72
 * = Total unknown

SPECIES NAME	NUMBER BANNED			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL
North Island Kiwi +	0	25	25	-	-	-	-	-	-
Northern Blue Penguin	1,176	0	1,176	507	4	511	2,301	2	2,303
Southern Blue Penguin	65	158	223	1	16	17	-	2	2
White-flippered Penguin	832	299	1,131	69	47	116	6	8	14
Rockhopper Penguin +	0	1	1	-	-	-	-	-	-
Fiordland Crested Penguin	230	3	233	2	9	11	-	-	-
Snares Crested Penguin	642	0	642	12	121	133	-	23	23
Erect-crested Penguin	23	5	28	-	-	-	-	-	-
Wandering Albatross	1,141	9	1,150	50	20	70	9	77	86
Southern Royal Albatross	18,289	773	19,062	2,306	18	2,324	1,386	55	1,441
Black-browed Mollmawk	10,042	0	10,042	588	2	590	58	1	59
Grey-headed Mollmawk	3,089	0	3,089	480	29	509	136	1	137
Buller's Mollmawk	623	0	623	103	166	269	1	99	100
White-capped Mollmawk	532	0	532	21	1	22	2	-	2
Salvin's Mollmawk	234	1	235	1	-	1	-	-	-
Light-mantled Sooty Albatross	338	11	349	23	1	24	1	-	1
Giant Petrel	872	19	891	190	24	214	58	1	59
Antarctic Fulmar	1	0	1	-	-	-	-	-	-

SPECIES NAME PAGE 2	NUMBER Banded			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL
Cape Pigeon	6,784	0	6,784	517	5	522	33	-	33
Grey-faced Petrel	8,388	4,845	13,233	238	39	277	41	10	51
White-headed Petrel	28	0	28	-	-	-	-	-	-
Black-capped Petrel	228	0	228	-	-	-	-	-	-
Mottled Petrel	244	24	268	1	64	65	-	-	-
Kermadec Petrel	944	0	944	-	-	-	-	-	-
Pycroft's Petrel	209	0	209	20	-	20	42	-	42
Gould's Petrel	1	0	1	-	-	-	-	-	-
Cook's Petrel	8	46	54	-	-	-	-	-	-
Black-winged Petrel	1,996	6	2,002	-	-	-	-	-	-
Chatham Is. Petrel	1	0	1	-	-	-	-	-	-
Broad-billed Prion	540	11	551	-	-	-	-	-	-
Antarctic Prion	20	0	20	-	-	-	-	-	-
Prion Sp.	4	0	4	-	-	-	-	-	-
Fairy Prion	31,290	1,541	32,831	961	250	1,211	79	20	99
Fulmar Prion	61	0	61	-	-	-	-	-	-
Grey Petrel	6	0	6	-	1	1	-	-	-
Black Petrel	14	24	38	-	2	2	-	-	-
Westland Black Petrel	358	0	358	3	-	3	-	-	-
White-Chinned Petrel	10	0	10	-	-	-	-	-	-
Flesh-footed Shearwater	1,480	61	1,541	59	-	59	2	-	2
Wedge-tailed Shearwater	308	0	308	-	-	-	-	-	-
Buller's Shearwater	364	0	364	-	-	-	-	-	-

SPECIES NAME	NUMBER Banded			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL
Sooty Shearwater	3,053	55	3,108	94	36	130	17	3	20
Fluttering Shearwater	980	0	980	62	-	62	14	-	14
Hutton's Shearwater	291	0	291	-	3	3	-	-	-
Kermadec Little Shearwater	4	0	4	-	-	-	-	-	-
N. Is. Little Shearwater	281	0	281	1	-	1	-	-	-
Grey-backed Storm Petrel	90	3	93	-	-	-	-	-	-
White-faced Storm Petrel	3,929	262	4,191	226	146	372	48	41	89
Black-bellied Storm Petrel	1	0	1	-	-	-	-	-	-
Diving Petrel	6,264	66	6,330	665	26	691	351	24	375
Petrel Sp.	1	0	1	-	-	-	-	-	-
Red-tailed Tropic Bird	116	0	116	2	-	2	1	-	1
White-tailed Tropic Bird	9	0	9	-	-	-	-	-	-
Australian Gannet	12,108	239	12,347	2,422	47	2,469	2,965	-	2,965
Brown Booby	1	0	1	-	-	-	-	-	-
Masked Booby	147	0	147	-	-	-	-	-	-
Black Shag	15	0	15	2	-	2	-	-	-
Pied Shag	129	0	129	30	4	34	4	2	6
Little Black Shag	5	0	5	2	-	2	-	-	-
Little Shag	17	2	19	2	-	2	-	-	-
Stewart Is. Shag	2	0	2	2	-	2	-	-	-
Campbell Island Shag	57	0	57	1	-	1	-	-	-
Spotted Shag	113	0	113	6	-	6	-	-	-
White-faced Heron	12	0	12	1	-	1	1	-	1

SPECIES NAME <u>PAGE 4</u>	NUMBER Banded			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL
White Heron	1	0	1	1	-	1	1	-	1
Reef Heron	15	0	15	3	-	3	-	-	-
Australian Bittern	4	1	5	-	-	-	-	-	-
Black Swan	(24,458)	1,836	(26,294)	(5,664)	132	(5,796)	(1)	1	(2)
Canada Goose	(20,587)	1,356	(21,943)	(11,497)	805	(12,302)	(7,913)	308	(8,221)
Paradise Duck	(11,739)	3,478	(15,217)	(2,034)	626	(2,660)	(123)	35	(158)
Mallard	(49,466)	3,392	(52,858)	(7,860)	2,473	(10,333)	(205)	817	(1,022)
Hybrid Mallard (Cross)	(1,379)	96	1,475	(327)	20	(347)	(1)	2	(3)
Duck (Grey or Mallard)	(13)	0	(13)	-	-	-	-	-	-
Grey Duck	(29,774)	753	30,527	(8,705)	552	(9,257)	(36)	91	(127)
Grey Teal	(351)	490	(841)	(47)	64	(111)	(6)	25	(31)
Brown Teal	67	4	71	3	2	5	-	-	-
N.Z. Shoveler	(6)	161	(167)	(12)	6	(18)	(3)	-	(3)
Blue Duck	(16)	0	(16)	(2)	1	(3)	-	-	-
Australasian Harrier	1,076	156	1,232	290	38	328	116	26	142
Chukor	184	178	362	-	1	1	-	-	-
Partridge	(10,903)	815	(11,718)	(884)	21	(905)	(6)	-	(6)
Californian Quail	(272)	23	(295)	(109)	3	(112)	(1)	-	(1)
Pheasant	(44,504)	888	(45,392)	(3,628)	201	(3,829)	(8)	-	(8)
Banded Rail	4	0	4	-	-	-	-	-	-
Weka Sp.	1	0	1	-	-	-	-	-	-
North Island Weka	2,388	122	2,510	83	29	112	45	7	52
Western Weka	144	0	144	9	-	9	-	-	-

SPECIES NAME <u>PAGE 5</u>	NUMBER Banded			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL
Eastern Weka	19	0	19	4	1	5	-	-	-
Marsh Crake	0	3	3	-	2	2	-	2	2
Spotless Crake	2	13	15	-	3	3	-	2	2
Pukeko	(400)	108	(508)	(65)	17	(82)	(1)	1	(2)
Notornis	(36)	0	(36)	(21)	-	(21)	(11)	-	(11)
S. Is. Pied Oystercatcher	671	64	735	81	85	166	26	67	93
Variable Oystercatcher	106	19	125	33	20	53	47	22	69
Chatham Is. Oystercatcher	12	0	12	-	-	-	-	-	-
Black Oystercatcher	79	22	101	5	1	6	3	7	10
Spur-winged Plover	514	5	519	18	3	21	-	-	-
N.Z. Dotterel	44	3	47	11	2	13	33	-	33
Banded Dotterel	381	28	409	5	-	5	3	5	8
N.Z. Shore Plover	17	29	46	-	-	-	-	-	-
Wrybill	142	0	142	1	-	1	-	-	-
Bar-tailed Godwit	3	0	3	-	-	-	-	-	-
Turnstone	2	0	2	-	-	-	-	-	-
Chatham Island Snipe	22	0	22	-	-	-	-	-	-
Snares Island Snipe	45	0	45	6	-	6	-	-	-
Pied Stilt	278	1	279	8	-	8	-	-	-
Black Stilt	11	0	11	-	-	-	-	-	-
Southern Skua	412	3	415	72	1	73	14	1	15
Antarctic Skua	1,951	61	2,012	770	28	798	571	45	616
Arctic Skua	1	0	1	-	-	-	-	-	-

SPECIES NAME PAGE 6	NUMBER Banded			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL
Black-backed Gull	50,150	3,066	53,216	3,375	266	3,641	127	-	127
Red-billed Gull	37,355	2,882	40,237	8,477	3,267	11,744	5,139	5,153	10,292
Black-billed Gull	25,280	850	26,130	1,773	119	1,892	1,301	48	1,349
Black-fronted Tern	669	18	687	47	1	48	30	-	30
Caspian Tern	1,980	147	2,127	57	40	97	-	-	-
Antarctic Tern	8	0	8	-	-	-	-	-	-
Fairy Tern	3	0	3	-	-	-	-	-	-
White-fronted Tern	15,130	690	15,820	444	58	502	9	-	9
Sooty Tern	14,584	0	14,584	143	-	143	-	-	-
Common Noddy	1	0	1	-	-	-	-	-	-
White-capped Noddy	7	0	7	-	-	-	-	-	-
White Tern	2	0	2	-	-	-	-	-	-
Grey Ternlet	49	0	49	-	-	-	-	-	-
New Zealand Pigeon	22	2	24	3	-	3	-	-	-
Malay Spotted Dove	2	0	2	1	-	1	-	-	-
Kea	1,032	0	1,032	551	87	638	3,054	83	3,137
Antipodes Island Parakeet	39	0	39	5	-	5	-	-	-
Kermadec Parakeet	6	0	6	-	-	-	-	-	-
Red-crowned Parakeet	15	0	15	-	-	-	-	-	-
Reischeks Parakeet	33	0	33	-	-	-	-	-	-
Yellow-crowned Parakeet	34	0	34	4	-	4	-	-	-
Shining Cuckoo	20	2	22	2	-	2	-	-	-
Long-tailed Cuckoo	2	1	3	1	-	1	-	-	-

SPECIES NAME <u>PAGE 7</u>	NUMBER BANDED			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL
Morepork	21	5	26	7	-	7	19	-	19
Little Owl	12	2	14	-	1	1	-	-	-
N.Z. Kingfisher	95	15	110	12	2	14	3	1	4
N. Is. Rifleman	20	11	31	11	-	11	36	-	36
S. Is. Rifleman	162	39	201	-	33	33	-	4	4
Rock Wren	0	4	4	-	-	-	-	-	-
Skylark	30	0	30	1	-	1	-	-	-
Welcome Swallow	65	24	89	-	-	-	-	-	-
N.Z. Pipit	39	0	39	5	-	5	-	-	-
Hedgesparrow	1,301	66	1,367	205	123	328	302	276	578
South Island Fernbird	33	0	33	-	-	-	-	-	-
Stewart Island Fernbird	1	2	3	-	-	-	-	-	-
Snares Island Fernbird	50	0	50	-	-	-	-	-	-
Brown Creeper	16	7	23	2	-	2	-	-	-
Whitehead	32	7	39	10	-	10	4	-	4
Grey Warbler	208	33	241	22	-	22	34	-	34
N. Is. Fantail	103	38	141	25	-	25	62	-	62
S. Is. Fantail	137	12	149	1	-	1	-	-	-
Pied Tit	82	10	92	26	-	26	49	-	49
Yellow-breasted Tit	133	0	133	10	-	10	1	-	1
Black Tit	4	0	4	-	-	-	-	-	-
South Island Robin	34	166	200	3	1	4	-	-	-
Stewart Is. Robin	1	0	1	-	-	-	-	-	-

SPECIES NAME <u>PAGE 8</u>	NUMBER Banded			RECOVERIES			REPEAT RECOVERIES		
	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL	PREVIOUS	1971-72	TOTAL
Black Robin	0	9	9	-	-	-	-	-	-
Song Thrush	2,075	62	2,137	232	29	261	109	18	127
Blackbird	4,130	106	4,236	976	109	1,085	1,124	234	1,358
Silvereye	25,553	2,128	27,681	2,833	387	3,220	4,551	415	4,966
Bellbird	850	117	967	76	3	79	73	1	74
Tui	302	13	315	24	6	30	10	-	10
Yellowhammer	460	15	475	38	64	102	20	46	66
Girll Bunting	2	0	2	-	-	-	-	-	-
Chaffinch	1,193	37	1,230	156	68	224	255	142	397
Greenfinch	3,017	53	3,070	301	203	504	538	376	914
Goldfinch	1,644	7	1,651	59	3	62	15	62	77
Redpoll	4,370	509	4,879	514	588	1,102	2,053	949	3,002
House Sparrow	17,729	786	18,515	1,630	216	1,846	656	54	710
Starling	2,655	425	3,080	240	47	287	29	1	30
Myna	1,164	60	1,224	285	9	294	120	5	125
N. Is. Saddleback	197	49	246	14	1	15	10	1	11
S. Is. Saddleback	111	47	158	10	3	13	-	-	-
N. Is. Kokako	6	0	6	-	-	-	-	-	-
Black-backed Magpie	34	0	34	13	-	13	1	-	1
White-backed Magpie	42	6	48	12	1	13	21	2	23
Magpie Sp.	4	0	4	3	-	3	7	-	7
Rook	957	0	957	218	41	259	102	-	102
<u>PROVISIONAL TOTALS</u>	537,037	35,125	572,162	74,785	11,994	86,779	36,594	9,704	46,298

TABLE THREE

PAGE 1

A SELECTION OF INTERESTING RECOVERIES RECEIVED 1971-1972

SPECIES	BAND	BANDED LOCALITY AND DATE	RECOVERED LOCALITY AND DATE	AGE, DISTANCE y.m.d.
White-flippered Penguin	P-1554	Motunau Is. 7.12.61	Motunau Is. 31.10.71	9-10-22
Wandering Albatross	R-18931	Antipodes Is. 23. 2.69	Malabar, (AUSTRALIA.) 25. 9.71	2-7-0 <u>1776WNW</u>
Black-browed Mollymawk	M-20658	Campbell Is. 5. 4.69	Kingscliff, (AUSTRALIA.) 24.11.69	0-7-19 <u>1859NNW</u>
"	M-25102	Campbell Is. 27. 3.70	At Sea, (PACIFIC.) 18. 7.70	0-3-21 <u>1892NNE</u>
"	O-7820	Campbell Is. 17. 1.68	Arutua Is. (TUAMOTU.) 14. 8.68	0-6-27 <u>3530ENE</u>
Bullers Mollymawk	M-14817	Snares Is. - 1.48	Snares Is. (30. 2.71)	23-1-?
"	O-2008	Snares Is. 11. 2.61	At Sea, Timaru. 30. 4.71	10-2-16 <u>338NE</u>
Fairy Prion	D-15660	Motunau Is. 2.10.62	Motunau Is. 31.10.71	9-0-10
Sooty Shearwater	Z-451	Motunau Is. 9.12.63	Motunau Is. 9. 2.72	8-2-1
Huttons Shearwater	E-76201	Christchurch. 31. 3.69	Hopetown, (AUSTRALIA.) (1.12.70)	1-8-0 <u>2876W</u>
Grey-faced Petrel	E-21194	Mercury Is. 4. 9.62	Taree, (AUSTRALIA.) (-. -.71)	9-?-? <u>138OW</u>
White-faced Storm Petrel	23616	Motunau Is. 22.10.60	Motunau Is. 22.11.70	10-1-0
"	C-9894	Motunau Is. 23.10.63	Motunau Is. 21.11.71	8-0-29
"	C-16483	S.E.Is. (CHATHAM IS.) 2.11.70	Motunau Is. 22.11.71	1-0-19 <u>183WNW</u>
Diving Petrel	D-14484	Trios Is. 26. 7.62	Paekakariki. 1. 8.71	9-0-5 <u>52E</u>
Australian Gannet	15751	Horuhoru 14. 2.53	Whangarei Heads. 2. 3.72	19-0-16 <u>78NNW</u>
Canada Goose	99536	Ellesmere L. 10. 1.57	Ellesmere L. 7. 5.71	14-3-25
"	18-26340	Ellesmere L. 10. 1.57	Ellesmere L. 9. 1.72	14-11-28
Black Swan	80061	Ellesmere L. 26. 1.56	Waipori L. 29. 5.71	15-4-1 <u>193SW</u>
"	19-14997	Ellesmere L. 14. 1.67	Huntly Loc. (-. 5.71)	4-3-? <u>448NNE</u>
Paradise Duck	13-743	Repongaere L. 7. 1.63	Tolaga Bay. 22. 5.71	8-4-13 <u>24NNE</u>
"	13-10828	Ngakaroa. 16.11.70	Kereru. (7. 5.71)	0-5-19 <u>113SW</u>
"	18-12217	Repongaere L. 15. 1.61	Whangara. 1. 5.71	10-3-14 <u>29NE</u>
Grey Teal	Z-4308	Wahi L. 23. 1.71	Middlemarch. 2. 5.71	0-3-7 <u>609SSW</u>
Grey Duck	17-2014	Whangape L. 15. 2.59	Taupiri Loc. 1. 5.71	12-2-14 <u>14SE</u>

SPECIES	PAGE 2	BAND	BANDED LOCALITY AND DATE	RECOVERED LOCALITY AND DATE	AGE, DISTANCE
Mallard		17-55566	Ohuia L. 1. 3.69	Chatham Is. 1. 5.71	y.m.d. 2-1-30 <u>325S</u>
"		17-73507	Tuakitoto L. 29. 1.70	Horotiu. 17. 5.72	2-2-5 <u>658NNE</u>
N.Z. Shoveler		Z-167	Pukepuke Lagoon. 10. 1.71	Waikouaiti. 5. 6.71	0-4-24 <u>423SSW</u>
Australasian Harrier		14638	Maraekakaho. 22. 2.53	Mareakakaho. 25. 4.71	18-2-0 <u>11N</u>
Californian Quail		14-5385	Taupo Loc. 2. 4.64	Wairakei. 22. 5.71	7-1-12 <u>14NE</u>
Pukeko		M-3908	Lorneville. 4.10.63	Pine Bush. 14. 5.71	7-7-8 <u>11S</u>
S. Is. Pied Oystercatcher		K-3242	Okarito. 16. 8.69	Tokomairiro R. Mouth. 1. 7.71	1-10-13 <u>207S</u>
"		K-3499	Ashley R. 20.10.70	Mangere. 18. 3.72	1-4-25 <u>465NNE</u>
"		K-4845	Parapara, Nelson. 12. 4.71	Millers Flat, Otago. 24. 8.71	0-4-12 <u>370SSW</u>
N.Z. Dotterel		D-5290	Karaka. 7.12.61	Firth of Thames. 7. 3.70	8-2-29 <u>18E</u>
Antarctic Skua		L-7430	Hallett C. (ANTARCT.) 7. 1.59	Hallett C. (ANTARCT.) 20.12.71	12-11-? 12-0-2
Black-backed Gull		29759	Rangitoto Is. 18.12.55	Rangitoto Is. 2.12.67	12-0-2
"		S-3088	Mataura R. Mouth. 18.12.60	Masterton. 19. 5.71	10-1-1 <u>519NE</u>
Red-billed Gull		E-66181	Kaikoura. 11. 1.59	Heathcote R. Mouth. 3. 2.72	13-0-22 <u>95SSW</u>
Black-billed Gull		E-7182	Ashley R. 10.12.60	Ashburton. 8. 1.72	11-0-28 <u>56SW</u>
Caspian Tern		30181	S. Kaipara Head. 2.12.56	Auckland Airport. 9.12.71	15-0-6 <u>44SE</u>
"		H-18724	Invercargill Loc. 30.11.70	Huntly Loc. 8. 5.71	0-5-6 <u>699NNE</u>
White-fronted Tern		25027	Crusoe Is. 23.11.58	Karaka. 30. 1.72	13-2-6 <u>24SSW</u>
Kia		26959	Temple Basin. 15. 9.56	Temple Basin. 2. 8.71	14-10-15
"		L-1603	Arthurs Pass. 10. 6.61	Darfield. 22.12.71	10-6-11 <u>24SSW</u>
Greenfinch		B-4955	Invercargill Loc. 27.12.64	Invercargill Loc. 7. 1.72	7-0-10
Chaffinch		A-3457	Invercargill Loc. 30. 7.61	Invercargill Loc. 13.10.68	7-2-14
House Sparrow		B-3326	Invercargill Loc. 3.12.64	Invercargill Loc. 21. 6.71	6-6-16
"		B-8211	Christchurch. 1. 3.65	Christchurch. 13.11.71	6-8-12
"		B-10788	Upper Hutt. 21. 2.65	Upper Hutt. 9.10.71	6-7-16
Rook		H-14550	Poukawa. 18.11.65	Poukawa. 3. 2.72	6-2-15
S. Is. Saddleback		D-22105	Big Stage Is. 2. 9.64	Big Stage Is. 27. 2.72	7-5-24