PRICE-EARNINGS RATIO AND STOCK RETURNS IN THE PHILIPPINE STOCK MARKET

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Abstract

It has been suggested by some researchers that price-earnings ratio is a good indicator of stock returns and that one good investment strategy is to buy stocks with low price-earnings (P/E) ratios since their performance in terms of stock returns far exceed those stocks with high price-earnings ratios. Stock returns are computed as the change in the price of the stock from one year to another plus cash dividends during the year.

This study examines whether this is true in the Philippine stock market. Ninety stocks of listed companies from 1992 to 1995 were taken as sample. Their price-earnings ratios were computed and the companies were ranked according to their P/E ratios. Then they were grouped into portfolios of ten stocks each to form nine portfolios, starting with the lowest P/E ratio to the highest. Portfolio 1 contained the stocks with the lowest P/E ratios. The stock returns of each company from 1992 to 1995 were computed. From these, twenty best performers and twenty worst performers in terms of stocks returns chosen for each year, 1992-1995. They were then grouped according to the portfolio to which they belong to determine which portfolio contained the best and worst performers.

Contrary to expectations, Portfolio 1 which contained the lowest P/E ratio stocks contained only three best performers while it had 23 worst performers in that category. The best performers were observed to belong to Portfolios 6 and 5. However, the other best performers were scattered among the different portfolios. This seems to indicate that the best performers can be found almost anywhere. Caution should be taken when investing to look into the fundamentals of the individual stocks and not to rely only on P/E ratios.

The plausible explanation for this phenomenon is that investors in emerging markets like the Philippines invest in stocks with potential for growth so that investors put their money even in expensive stocks if they see growth potential. The only constraint to their investment activity is their liquidity.

I. Introduction

Price earnings (P/E) ratio defined as stock price divided by earnings is one strategy used in investing in the stock market. Investment strategies have been derived based on P/E ratios. One of them is to invest in stocks with low P/E

ratios. How successful is this strategy? A study was made by David Dreman who noted that stocks with low price to earnings ratio performed better in terms of returns than high price to earnings ratio stocks. He further stated that while

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Another study pointed to practically the same conclusion. James McWilliams, in an earlier study (*Financial Analysts Journal*, May-June 1966, p. 137 -142) noted that low P/E ratios stocks outperformed high P/E ratio stocks. Taking 390 sample firms from Standard and Poor's 900 Industrial Company Compustat tape, he divided the firms into ten deciles according to price earnings ratio, from lowest to highest.

whereas the highest multiples in each

industry fell 8.6%.

He concluded that better investment performance was obtained from a portfolio of low price-earnings ratio stocks as compared with portfolios made up of high price-earnings ratio stocks. However, he concluded that for individual stocks, the good performers may be found among stocks selling at any price-earnings ratio but that very poor performers are most often found among stocks with high price-earnings ratio.

Is this true also of Philippine stocks? Does the Philippine stock market exhibit the same behavior? It would be interesting to find this out as people are always eager to find good investment strategies, especially in periods of uncertainties. The present study aims to answer this question.

Asian Business (October 1996) reports that analysts in the emerging markets of Asia noted that price-earnings ratio alone does not explain the way investors behave in the emerging markets of Asia, Philippines. including the contended that the P/E ratio is a vardstick for more established markets of North America and Europe but is an inadequate and misleading indicator of share value in emerging markets. They observed that liquidity, which reflects the investors' activities, gives a clearer picture of the market forces that determine the true value of a particular stock market, more than the priceearnings ratio (Asian Business, Oct. 1996, pp. 48 & 50).

Because of these conflicting views, I decided to look into the matter and study the performance of stocks using their price-earnings ratio as one variable. The methodology used is adapted from the

study of James McWilliams (Financial Analysts' Journal).

sample is taken from The The Investments Guide, 1995 and 1996 and covered the periods from December 31, 1991 to December 31, 1995, a period of Ninety companies were four years. included in the sample based on the following criteria. Each company must have been listed at the Philippine Stock Market during those periods under study. Stock prices must have been available for those companies on the last trading day of December and lastly, the companies must have their year end on December 31.

Based on the above criteria, only ninety companies qualified. The sample seems small and the time period, short, to come up with a generalized conclusion. However, extending the number of years would reduce further the number considerably because it was only in the early nineties that a number of firms went public and got listed at the Philippine Stock Exchange. Besides the study is exploratory. It can be extended once more data is available.

The 90 companies were divided into nine groups of ten stocks each forming ten portfolios. The price-earnings ratios of each firm were computed as well as the returns of each company over the four year period. The price-earnings was calculated by dividing December 29 prices by the stock return for the accounting year (December 29 is usually the last trading day of each year). Return is defined as income/investment. represented by the price change from December 29 of the current year and December 29 of the preceding year plus cash dividend paid during the current year stock price of preceding year. For instance, if the stock price on December

29 of the current year were P955 and the price on December 29 of the preceding year were P835 and the total cash dividend paid during the current year is P4 the return for the current year is [(P955-835) + 4] = P124 - a capital gain of P120 and dividend of P4. The rate of return for the current year is P124/835 = 14.85%. The P/E ratio at the end of December of the current year would be P955/124 = 7.70. This procedure may not be very accurate but it seems a good approximation of the return from a one vear investment.

After computing for the P/E ratios and the returns on the stocks, they were arranged into portfolios of ten stocks each, based on their P/E ratios, from the lowest to the highest. The lowest P/E ratio companies formed Portfolio 1 while the highest P/E ratio group formed Portfolio 9. The mean return and the standard deviation about the return were then calculated for each of the nine groups. Table 1 shows the average returns of the different groups for the four years under study.

The results seem to indicate that Portfolio 6 yielded the highest average return of 83% over the four year period, followed by Portfolio 5 with a yield of 57%. In fact Portfolio 1 came with a poor 7%, the lowest return of the whole lot, a very low return compared with the next lowest return of 25% of Portfolio 9.

While the result in encouraging it is not enough to stop at the return of the portfolios to assess stock performance. High returns usually carry high risk. It is therefore important to measure the extent of the variability of the return. It will give us a degree of confidence in our method. The higher the variability, the less confidence we have in our method. Variability in this study is measure by the standard deviation. Table 2 shows the standard deviation of the returns about the average return shown in Table 1.

Table 1
AVERAGE RETURNS OF THE NINETYSTOCKS BY PROTFOLIOS
FOR THE YEARS ENDING DECEMBER 31

PORTFOLIO	1995	1994	1993	1992	Average
1	-32.52	56.78	7.17	-2.64	7.20
2	67.80	-4.46	80.10	24.85	42.07
3	-1.10	59.59	42.70	44.84	36.51
4	-14.8	-2.83	105.48	25.03	28.22
5	-9.57	50.08	146.85	39.53	56.72
6	-2.68	1.81	145.90	185.52	82.64
7	-0.33	31.03	62.01	44.56	34.32
8	8.37	10.64	60.10	72.99	38.02
9	-15.23	16.07	66.50	30.79	24.53
Average	007	24.30	79.64	51.72	38.90

Table 2
STANDARD DEVIATION ABOUT THE MEAN RETURN OF
NINETY STOCKS FOR THE YEARS ENDING DECEMBER 31

Portfolio	1995	1994	1993	1992	Average
1	17.67	234.26	57.83	21.44	82.80
2	217.40	59.08	62.14	54.73	98.34
3	25.21	130.47	66.98	98.47	80.28
4	37.74	37.24	104.26	17.17	49.10
5	33.90	111.44	93.61	49.13	72.02
6	21.67	19.06	162.42	358.32	140.37
7	17.59	53.64	53.08	66.34	47.66
8	24.05	59.70	57.12	169.52	77.59
9	17.57	67.81	113.66	54.07	63.28
Average	45.87	85.86	85.68	98.80	79.05

As mentioned earlier, it is important to measure the standard deviation about the mean return for this gives us an indication of the risk involved. This is apparent in Portfolio 6 which has the highest average return over the four year period It generated an 83% return but it also registered the highest standard deviation of 140.37, indicating that there is a high probability of not attaining the indicated return

One other way of looking at our investment strategy is to compare the growth in the investment among the different portfolios. Assuming that we invest P100,000 at the end of 1991 and

reinvested the principal and return every year thereafter until the end of 1995 what would be the value of the different portfolios assuming reinvestment rates as indicated by Table 1. Portoflio 1 would grow to P110,387 at the end of 1995, Portfolio 6 would grow to P695,645 and Portfolio 9 would amount to P214.265. This is shown in Table 3 and Chart 1

TABLE 3 VALUE OF P100,000 INVESTMENT AT THE END OF 1991 ON DECEMBER 31 OF EACH YEAR

Portfolio	1991	1992	1993	1994	1995	
1	100,000	97,360	104,341	163,585	110,387	
2	100,000	124,850	224,855	214,826	360,478	
3	100,000	144,840	206,687	329,851	326,223	
4	100,000	125,030	256,911	249,641	212,694	
5	100,000	139,530	344,430	516,920	467,451	
6	100,000	285,520	702,094	714,802	695,645	
7	100,000	144,560	234,202	306,874	305,862	
8	100,000	172,990	276,957	306,425	332,073	
9	100,000	130,790	217,765	252,760	214,265	

table shows the relative The performance of each portfolio. Portfolio 6 registered the highest return for each year followed by Portfolio 5. The above computations do not include commissions and other expenses incurred in the buying and selling of stocks. The effect of these charges would be to lower the returns but it would have affected all the portfolios proportionately. The ranking would be expected to be the same.

One other dimension worth looking into is to examine the performance of the individual stocks themselves. Which stocks performed best and which performed badly? Is it good to invest only in blue chips which are usually characterized by high P/E ratios or to concentrate on lower P/E ratio stocks? To determine this, I grouped the 20 best performing stocks and the 20 worst performers for each year according to their returns. Table 4 gives us the result of this exercise.

Year	Best Performers	Return	Worst Performers	Return
1992	Manila Mining Corp. B	901.61	Republic Glass Hold. A	-53.65
	Manila Mining Corp. A	824.19	Atlas Fertilizer B	-52.94
	Dizon Copper-Silver Mines	543.38	Matsushita Electric Co.	-43.48
	EEI Corporation	294.44	San Carlos Milling Co.	-42.86
	San Migeul Corp. B	218.74	Solidbank Corporation	-25.32
	Phil. Com. & Int'l. Bank	159.28	Lepanto Con. Mining B	-22.40
	Unioil & Gas Dev. Corp	140.21	Lepanto Con. Mining A	-20.01
	Prudential Bank	128.67	Phil. Tel. & Tel. Co. B	-15.66
	Dharmala Phil. A	114.58	Integrated Chrome A	-13.28
	China Banking Corp.	102.19	Sanitary Wares Mfg. Co.	-13.16
	Philex Mining Corp. B	92.31	Phil. Tel. & Tel. Co. A	-12.02
	Alcorn Pet. & Min. Corp.B	80.92	Atlas Con. Mining A	-12.00
	Seafront Resources Corp. B	79.05	Ayala Corp. B	-10.77
	Dharmala Phil. B	77.42	Phil. National Bank	-10.74
	Oriental Petroleum B	77.26	Integrated Chrome B	-10.34
	Oriental Petroleum A	74.30	SM Dev. Corp. A	-10.26
	Seafront Resources Corp. A	66.67	Benguet Corporation A	-8.00
	Alcorn Petroleum A	65.90	Atlas Con. Mining B	-7.14
	Philex Mining Corp. A Robinson Land Corp	63.58 62.50	Phil. Banking Corp Vulcan Indust. Corp	-5.64 -5.38
1993	BEST PERFORMERS	Return	WORST PERFORMERS	Return
	EEI Corporation	491.55	Dizon Copper-Silver Mines	-81.43
	SM Dev. Corp. B	375.61	Atlas Con. Mining Corp B	-38.46
	Metro Pacific Corporation	354.81	Philtread Tire & Rubber B	-34.44
	Manila Mining B	309.05	Integrated Chrome Corp. B	-25.95
	Manila Mining A	284.94	Philtread Tire & Rubber A	-22.91
	SM Dev. Corp. A	266.67	Unioil & Gas Dev. Corp, Inc.	-22.75
	Bacnotan Consolidated Ind.	251.20	Atlas Consolidated Min. A	-22.73
	Philippine National Bank	199.55	Alcorn Petroleum Corp. A	-13.94
	Solidbank Corporation	198.18	JR Garments Corp Alcorn Petroleum Corp. B	-13.04
	Ayala Corp. B	189.92	Manila Bulletin Pub. Co.	-12.78
	Kuok Phil. Properties, Inc.A	189.47 187.38	Seafront Resources B	-10.00 -8.00
	Keppel Phil. Hold. B PLDT	162.44	Atlas Fertilizer A	-7.67
	San Miguel Corp. A	158.07	Seafront Resources B	-6.91
	Keppel Phil. Hold. A	150.26	Liberty Flour Mills, Inc.	-6.38
	Atlas Fertilizer Corp. B	150.20	San Carlos Milling Corp	0.00
	Ayala Land., Inc	146.36	Atlas Fertilizer Corp. A	0.00
	PDCP Dev. Bank, Inc.	145.78	Bogo-Medellin Co.,Inc.	3.34
	A. Soriano Corp.	135.13	Integrated Chrome Corp. A	5.36
	Jardine Dvies, Inc.	134.52	Urban Bank, Inc.	11.21
		POSTON IS PASSA		THE CHARLES WILL

From the preceding table we can see that the best performer in 1995 is Dizon Copper-Silver Mines, Inc. with a 680% return while the worst performer is

Manila Mining Corp. B, with a negative 78.39% return. However, 1992 shows that the best stock is Manila Mining with a 902% return. This indicates the non-

other hand, Dizon Copper-silver Mines,

Inc. had a negative 81% return in 1993

but led the best performers in 1995 with

Since we see that the companies keep on switching groups in terms of returns, it is now interesting to see how these same stocks appear when ranked by their price earnings ratio. The purpose of this is to determine which group has the most number of good performers and bad performers in order to select an investing strategy. If the previous studies were any indication, we should find many good performers in the low P/E group and less in the high P/E groups. Similarly, we would expect bad performers to congregate in the high P/E group and less in the low P/E group. Table 5 shows how the companies behaved vis-à-vis their grouping. It may be that one company name would appear more than once in the list if it is a good/bad performer in more than one year.

Table 5 LIST OF BEST AND WORST PERFORMING STOCKS 1992-1995 RANKED BY PRICE-EARNING RATIO

BEST PERFORMERS

a 680% return.

PORTFOLIO 1 (Low P/E Ratio)

Manila Jockey Atlas Fertilizer Corporation, B Mabuhay Holdings Corporation

PORTFOLIO 2

Atlas Fertilizer, B
Rizal Commercial Banking Corporation, A
RFM Corporation
Dizon Copper-Silver Mines, Inc.
Dharmala Philippines, Inc. B
Solidbank Corporation
Dharmala Philippines, Inc. A
China Banking Corporation
Jardine Davies, Inc.
JR Garments, Inc.

PORTFOLI 3

Dizon Copper-Silver Mines, Inc. Dharmala, Philippines, Inc. A Keppel Philippine Holdings, A Philippine Bank of Communications Manila Jockey Club, Inc.

WORST PERFORMERS

PORTFOLIO 1 (Low P/E Ratio)

Lepanto Consolidated Mining Corp. B Lepanto Consolidated Mining Corp. B Atlas Consolidated Mining & Dev. Corp. A Atlas Consolidated Mining & Dev. Corp. B Benguet Corporation, A Integrated Chrome Corporation, B Atlas Consolidated Mining & Dev. Corp. B Philtread Tire & Rubber Corp. A Philtread Tire & Rubber Corp. B Integrated Chrome Corp. B San Carlos Milling Co., Inc Atlas Fertilizer Corp. A Integrated Chrome Corp., A Alcorn Petroleum & Minerals Corp. B Alcorn Petroleum & Minerals Corp. A Unioil & Gas Development Corp. Inc. Oriental Petroleum & Mineral Corp. A Oriental Petroleum & Mineral Corp. B Phil. Telegraph & Telephone Co., Inc. B Seafront Resources Corp., A Balabac Oil Exploration & Drilling Co., Inc. Phil. Telegraph & Telephone Co., Inc., A Vulcan Industrial Corporation

Rizal Commercial Banking Corp. A EEI Corporation Prudential Bank & Trust Co.

PORTFOLIO 4

China Banking Corporation
Far East Bank & Trust Co.
Cityland Development Corp.
Republic Glass Holdings
SM Development Corporation, A
Bacnotan Consolidated Industries, Inc.
Keppel Philippine Holdings, B
Philippine Long distance Telephone Co.

PORTFOLIO 5

Manila Publishing Co.
Philippine Commercial & International Bank
House of Investments
SM Development Corporation B
Kuok Philippine Properties, A
San Miguel Corporation, A
Philippine National Bank
Dharmala Philippines, B
Bank of the Philippine Islands
Urban Bank
Jardine Davies, Inc.
Philippine Bank of communication
Guoco Holdings (Philippines), Inc. A

PORTFOLIO 6

Manila Mining Corp. B
Manila Mining Corp. A
Republic Cement Corp. B
Philippine Commercial & International Bank
Philex Mining Corp., B
Seafront Resources A
EEI Corporation
PDCP Development Bank
Philex Mining Corp. A
Manila Mining Corp. A
Manila Mining Corp. B

PORTFOLIO 7

Cityland Development Corp.
Philippine Banking Corporation
San Miguel Corporation B
Scafront Resources B
A. Soriano Corporation
Metropolitan Bank & Trust Co.
Trans-Asia Oil & Mineral Development Corp.

PORTFOLIO 2

JR Garments Corp.
Philtread Tire & Rubber Corp. A
Philtread Tire & Rubber Corp. B
Atlas Fertilizer B
Solidbanak Corporation
Integrated Chrome, A
United Paragon Mining Corp.
Kuok Philippine Properties, Inc. A
Philtread Tire & Rubber Corp. A

PORTFOLIO 3

Matsushita Electric Co.
Philippine National Bank
SM Development Corporation B
SM Development Corporation A
Dizon Copper-Silver Mines, Inc.
Manila Bulletin Publishing Corp.
Urban Bank, Inc.
SM Development Corp. B
SM Development Corp. B
House of Investments, Inc.
Dharmala Philipines, Inc. B

PORTFOLIO 4

EEI Corporation
Manila Mining Corp. B
Manila Mining Corp. A
Robinson's Land Corp.
Phil. Long Distance Telephone Co.
Bacnotan Consolidated Industries, Inc.
Liberty Flour Mills

PORTFOLIO 5

Sime Darby Pilipinas, A
Picop Resources, Inc. A
Trans-Asia Oil & Mineral Dev. Corp.
RFM Corporation
Guoco Land (Philippines), Inc.
Cebu Shipyard & Eng'g. Works, Inc. A

PORTFOLIO 6

Sanitary Wares Manufacturing Corp. Philippine Telegraph & Telephone Co.

PORTFOLIO 7

Philippine Telegraph & Telephone Co., B Ayala Corporation, A Ayala Corporation, B

PORTFOLIO 8

Bank of the Philippine Islands
Metro Pacific Corporation
Metro Pacific Corporation
Dizon copper-Silver Mines, Inc.
Republic Cement corp. A
Bacnotan Consolidated industries, Inc.
Philippine Banking Corporation
Unioil & Gas Development Co., Inc.
Oriental Petroleum & Mineral Corp. B
Oriental Petroleum & Miniral Corp. A
Ayala Corporation B

PORTFOLIO 9

Benguet Corp. A
Ayala Land, Inc.
Alcorn Petroleum & Mineral Corp. B
Alcorn Petroleum & Mineral Corp. A
Guoco Land, A
Unioil & Gas Development Corp
Metro Pacific Corporation
Philippine Telegraph & Telephone Co. A
Philippine Telegraph & Telephone Co. B

It seems clear from the preceding table that the best performing stocks are not found in the low P/E ratio groups. In fact they can be found almost anywhere except in Group 1, the portfolio with the lowest P/E ratio. Only three stocks among the best performers are found in Portfolio 1. In stark contrast, worst performers abound in the lowest P/E ratio group, with 23 stocks recorded. This bolsters my conclusion that the buying low P/E ratio stocks is not necessarily a good strategy, at least in the Philippine stock market. The best performers seem to congregate in Portfolios 5 and 6. In fact the worst performers are hardly found in Portfolio 6 as there are only two worst performing stocks found in that group.

As a whole, there seems to be no obvious pattern in the distribution of best performing stocks and worst performing stocks among the different groups.

Seafront Resources Corp., A Seafront Resources Corp., B San Miguel Corporation, A

PORTFOLIO 8

Philippine Banking Corporation Bogo-Medellin Milling Co., Inc. Seafront Resources Corp., A Seafront Resources, Corp. B Republic Glass holdings, Corp. A JR Garments Corporation Interphil Laboratories Inc., B

PORTFOLIO 9

Alcorn Petroleum & Minerals Corp B
San Carlos Milling Corp
Unioil & Gas Development Corporation
Alcorn Petroleum & Minerals Corp. A
United paragon Mining Corporation
Vulcan Industrial & Mining Corp.
Alcorn Petroleum & Minerals Corp. A
Balabac Oil Exploration & Drilling co., Inc. A
Metro Pacific Corporation

Except for Portoflio 1 which has three best performers the rest are scattered among the different groups, ranging from seven to 13 stocks. The worst performers, on the other hand, while also scattered among the different portfolios, are very visible in Portfolio 1 and its sparcity is just as remarkable in Portfolio 6 where only two worst performers are registered. As for individual stocks, they seem to be fluid and can shift from good to bad performer and vice versa from one year to the next. However, except for Philippine National Bank, the other banks are found among the best performers.

The P/E ratio does not seem to be as good an indicator of the performance of stock returns in the Philippine stock market although if one were to look for high performing stocks he/she may do well to look at Portfolios 5 and 6 as a starting point. However, it must be

remembered that these high vielding stocks also has high volatility in earnings as shown by high standard deviations. One must be careful and analyze the fundamentals of individual stocks before deciding to invest in it.

The result of this study seems to contradict the findings of James Francis Nicholson Mcwilliams and (Financial Analysts Journal as cited by McWilliams) who found out that a portfolio of low P/E stocks usually earn more than high P/E stocks. It also does not follow the conclusion of David Dreman who also advocated the low P/E strategy, not only for the overall market but for industries as well.

On the other hand, the findings seem to corroborate the conclusion of some analysts of Asian Business, especially that of Michael Howell which noted that the P/E ratio is inadequate and misleading as an indicator of share value in emerging markets (Asian Business, They think that Oct. 1996, p. 48). important more liquidity is a consideration than the P/E ratio, as liquidity gives a clearer picture of the market forces that determine the true value of stocks. They point out that while the P/E ratio provides a rough guideline on the return over a time period, this indicator is reliable only if a company's earnings grow slowly and steadily, which does not seem to apply in an emerging market like the Philippines. In fact, share prices of some stocks in the Philippines would appear overpriced if they were traded in established stock markets, with P/E ratios going beyond multiples of 100. However, as one analyst pointed out, investors in emerging markets are buying into growth opportunities and are therefore willing to pay for high P/E ratios with good potential for growth (Asian Rusiness, Oct. 1996, p. 48). Thus share prices are often determined by the willingness of investors to invest and the amount of money available. cautions that one must distinguish between value and price. Value determined by the real economy, is expressed by profitability, while share prices, or the price of a share of value. are determined in the financial markets. Stock prices can deviate substantially from the underlying value of the stock and it is the liquidity of the investor which decides share prices in the stock market which considers investor sentiments. Moreover. Howell continues, investors are often guided by the herd instinct. 'When a bandwagon is gathering momentum, we all want to jump aboard'. This seems to aptly describe the Philippine stock market.

The findings of this study are tentative and I do not presume to generalize. I realize the lack of data and the limitation imposed by the shortness of the period involved. The period covered is also not a very typical period. The year 1993 saw a bull run in the Philippine stock market. Subsequent years are not as fortunate and the current economic problems of the region may well affect the performance of the stocks. However, I find the findings consistent with my observations of the stock market and the results realistic and justifiable.

Future research can be done by extending the time period and increasing the sample firms. It may also include such other economic variables like liquidity, as suggested by some analysts.

REFERENCES

- Dreman, David. A New Approach to Low P-E Investing, Forbes, September 23, 1996, p. 241.
- McWilliams, James. Price-Earnings ad P-E Ratios, *Financial Analysts Journal*, May-June 1966, pp. 137-142.
- Pensan, Stephen H. "The Articulation of Price-Earnings Ratios and Market-to-Book Ratios and the Evaluation of Growth," *Journal of Accounting Research*, Vol.34 #2, Autumn. 1996, pp.235-259.
- P/E Fails Emerging Markets, Asian Business, October, 1996, pp. 48, 50
- The Philippine Stock Exchange Investments Guide, 1995 and 1996, Philippine Stock Exchange.

APPENDIX 1A (1992) Price Earnings Ratios and Stock Returns 1992 - 1995

COMPANY NAME	1992 P/E	1992 RETURN
PORTFOLIO 1		
VULCAN INDUSTRIAL AND MINING CORPORATION JR GARMENTS CORPORATION UNITED PARAGON MINING CORPORATION LEPANTO CONSOLIDATED MINING CORP. (B) PICOP RESOURCES, INC. (A) LEPANTO CONSOLIDATED MINING CORP. (A) ATLAS CONSOLIDATED MINING AND DEVELOPMENT CORPORATION(B) ATLAS CONSOLIDATED MINING AND DEVELOPMENT CORPORATION(A) BENGUET CORPORATION (A) INTEGRATED CHROME CORPORATION (B)	-624.4 -85.4 -76.97 -36.99 -35.17 -34.15 -4.01 -3.39 -2.35 -1.92	-5.38 53.33 -2.15 -22.40 7.69 -20.01 -7.14 -12.00 -8.00 -10.34
TOTAL RETURN MEAN STANDARD DEVIATION		-26.40 -2.64 20.34
PORTFOLIO 2		
INTEGRATED CHROME CORPORATION (A) ATLAS FERTILIZER CORPORATION (B) ATLAS FERTILIZER CORPORATION (B) DHARMALA PHILIPPINES, INC. (A) SOLIDBANK CORPORATION DHARMALA PHILIPPINES, INC. (B) RIZAL COMMERCIAL BANKING CORPORATION (A) CHINA BANKING CORPORATION PHILIPPINE BANK OF COMMUNICATIONS BACNOTAN CONSOLIDATED INDUSTRIES, INC.	-1.81 -1.76 -1.32 3.33 3.43 3.75 3.83 4.66 4.96 5.1	-13.28 0.00 -52.94 114.58 -25.32 -3.22 62.07 102.19 31.03 33.41
TOTAL RETURN MEAN STANDARD DEVIATION		248.52 24.85 51.92
PORTFOLIO 3		
JARDINE DAVIES, INC. MATSUSHITA ELECTRIC PHILIPPINES CORP. FAR EAST BANK AND TRUST COMPANY EEI CORPORATION PRUDENTIAL BANK	5.36 5.63 5.84 6.27 6.48	18.42 -43.48 21.29 294.44 126.67

APPENDIX 1A (cont'd)

COMPANY NAME	1992 P/E	1992 RETURN
Som All Hang	172	KETOKK
MANILA JOCKEY CLUB, INC.	6.5	4.57
BOGO-MEDELLIN MILLING CO., INC.	7.42	40.78
LIBERTY FLOUR MILLS, INC.	7.66	6.72
PHILIPPINE NATIONAL BANK	8.38	-10.74
SM DEVELOPMENT CORPORATION (A)	8.96	-10.26
TOTAL RETURN		448.41
MEAN		44.84
STANDARD DEVIATION		93.42
PORTFOLIO 4		
BANK OF THE PHILIPPINE ISLANDS	8.97	51.82
PHILIPPINE LONG DISTANCE TELEPHONE CO.	9.26	20.97
SIME DARBY PILIPINAS, INC.	9.71	2.70
FIRST PHILIPPINE HOLDINGS CORPORATION (A)	10.28	47.54
SM DEVELOPMENT CORPORATION (B)	10.5	9.82
A. SORIANO CORPORATION	10.63	46.05
RFM CORPORATION	11.11	20.22
SAN MIGUEL CORPORATION (A)	11.22	21.24
INTERPHIL LABORATORIES, INC. (A)	12.15	16.06
INTERPHIL LABORATORIES, INC. (B)	13.48	13.89
TOTAL RETURN		250.31
MEAN		25.03
STANDARD DEVIATION		16.29
PORTFOLIO 5		
CEBU SHIPYARD AND ENGINEERING WORKS, INC. (A)	14.06	-0.29
FIRST PHILIPPINE HOLDINGS CORPORATION (B)	14.3	54.64
PHILEX MINING CORPORATION (A)	14.65	62.50
PHILIPPINE COMMERCIAL INTERNATIONAL BANK, INC.	14.74	159.28
MANILA BULLETIN PUBLISHING CORPORATION	15.08	28.05
PDCP DEVELOPMENT BANK, INC.	15.42	0.00
URBAN BANK, INC.	15.46	6.90
HOUSE OF INVESTMENTS, INC.	16.01	63.58
METROPOLITAN BANK AND TRUST COMPANY	16.92	10.97
KEPPEL PHILIPPINES HOLDINGS, INC.(A)	17.18	9.66
TOTAL RETURN		395.29
MEAN		39.53
STANDARD DEVIATION		46.61

APPENDIX 1A (cont'd)

COMPANY NAME	1992	1992
	P/E	RETURN
PORTFOLIO 6		
PORTFOLIO 6		
SANITARY WARES MANUFACTURING CORPORATION	17.68	-13.16
REPUBLIC CEMENT CORPORATION (A)	18.74	-2.70
PHILEX MINING CORPORATION (B)	18.74	92.31
CEBU SHIPYARD AND ENGINEERING WORKS, INC. (B)	19.62	3.10
KEPPEL PHILIPPINES HOLDINGS, INC.(B)	19.76	-5.25
REPUBLIC CEMENT CORPORATION (B)	20.52	3.68
MANILA MINING CORPORATION (A)	22.91	824.19
SEAFRONT RESOURCES CORPORATION (A)	23.89	66.67
MANILA MINING CORPORATION (B)	24.84	898.39
PHILIPPINE TELEGRAPH AND TELEPHONE CORP. (A)	25.01	-12.02
TOTAL RETURN		1,855.21
MEAN		185.52
STANDARD DEVIATION		339.94
PORTFOLIO 7		
PORTFOLIO 7		
PHILIPPINE TELEGRAPH AND TELEPHONE CORP. (B)	25.23	-15.66
SEAFRONT RESOURCES CORPORATION (B)	25.67	79.05
ROBINSON'S LAND CORPORATION	25.77	62.30
AYALA CORPORATION (A)	30.63	-3.76
SAN MIGUEL CORPORATION (B)	32.58	214.73
AYALA CORPORATION (B)	32.67	-15.05
PHILIPPINE REALTY AND HOLDINGS CORPORATION	32.8	0.00
GUOCO LAND (PHILIPPINES), INC. (A)	34.18	46.11
PHILTREAD TIRE AND RUBBER CORPORATION (A)	35.5	38.95
PHILTREAD TIRE AND RUBBER CORPORATION (B)	35.5	38.95
TOTAL RETURN		445.62
MEAN		44.56
STANDARD DEVIATION		64.83
PARTECULO 6		
PORTFOLIO 8		
REPUBLIC GLASS HOLDINGS CORPORATION (A)	35.82	-53.85
KUOK PHILIPPINE PROPERTIES, INC. (A)	37.35	15.15
ORIENTAL PETROLEUM & MINERAL CORPORATION (A)	37.68	74.30
CITYLAND DEVELOPMENT CORPORATION (A)	37.81	10.80
METRO PACIFIC CORPORATION	39.06	13.44
DIZON COPPER-SILVER MINES, INC.	45.78	543.38
THE PHILIPPINE BANKING CORPORATION	46.09	-5.64
30 April 10		

APPENDIX 1A (concluded)

COMPANY NAME	1992	1992
	P/E	RETURN
GUOCO HOLDINGS (PHILS.), INC. (A)	47.11	37.04
AYALA LAND, INC.	49.95	18.01
ORIENTAL PETROLEUM & MINERAL CORPORATION (B)	53.83	77.26
TOTAL RETURN		729.89
MEAN		72.99
STANDARD DEVIATION		160.82
PORTFOLIO 9		
7 0111 0210 0		
GUOCO HOLDINGS (PHILS.), INC. (B)	60.47	56.59
SAN CARLOS MILLING CO., INC.	81.4	-42.86
UNIOIL AND GAS DEVELOPMENT CO., INC.	94.46	140.21
TRANS-ASIA OIL AND MINERAL DEVELOPMENT CORPORATION	145.67	5.77
BALABAC OIL EXPLORATION & DRILLING CO., INC. (A)	588.85	-5.00
BALABAC OIL EXPLORATION & DRILLING CO., INC. (B)	619.84	-4.76
MABUHAY HOLDINGS CORPORATION	637.12	0.00
ALCORN PETROLEUM AND MINERALS CORPORATION (A)	676.42	65.90
ALCORN PETROLEUM AND MINERALS CORPORATION (B)	737.7	80.92
PRYCE PROPERTIES CORPORATION (A)	3262.49	11.11
TOTAL RETURN		307.88
MEAN		30.79
STANDARD DEVIATION		51.3

APPENDIX 1B (1993) Price Earnings Ratios and Stock Returns 1992-1995

	COMPANY NAME		1993	1993
505750110.4			P/E	RETURN
PORTFOLIO 1				
PHILTREAD TIRE AL	ND RUBBER CORPORATION (A)		-18.19	-22.91
	ND RUBBER CORPORATION (B)		-15.48	-34.44
	CORPORATION (B)		-8	150.00
INTEGRATED CHRO	DME CORPORATION (A)		-7.04	5.36
ATLAS FERTILIZER	CORPORATION (A)		-7.01	0.00
INTEGRATED CHRO	DME CORPORATION (B)		-5.25	-25.95
SAN CARLOS MILLI	NG CO., INC.		-2.68	0.00
ATLAS CONSOLIDA	TED MINING AND DEVELOPMENT CORPORATIO	N(A)	-1.02	-22.73
ATLAS CONSOLIDA	TED MINING AND DEVELOPMENT CORPORATIO	N(B)	-0.96	-38.46
BENGUET CORPOR	RATION (A)		2.34	60.87
TOTAL RETURN				71.74
MEAN				7.17
STANDARD DEVIAT	TON			54.86
PORTFOLIO 2				
DHARMALA PHILIPP	AND PROPERTY AND ADDRESS OF THE PARTY OF THE		3.51	128.30
DHARMALA PHILIPP			3.64	91.67
	L BANKING CORPORATION (A)		4.62	22.64
	DF COMMUNICATIONS		6.97	41.56
PRUDENTIAL BANK			7.24	29.50
SIME DARBY PILIPI			8.45	24.32
SOLIDBANK CORPO			9.33	198.18
CHINA BANKING CO			9.37	17.81
JARDINE DAVIES, II			9.94	134.52
FAR EAST BANK AN	ND TRUST COMPANY		10.75	112.54
TOTAL RETURN				004.04
MEAN				801.04
STANDARD DEVIAT	TION			80.10
OTANDARD DEVIA	1014			58.95
PORTFOLIO 3				
MATSUSHITA ELEC	TRIC PHILIPPINES CORP.		11.53	127.55
MANILA BULLETIN	PUBLISHING CORPORATION		11.54	-10.00
BANK OF THE PHIL	IPPINE ISLANDS		11.97	84.88
CITYLAND DEVELO	PMENT CORPORATION (A)		12.02	22.82
KEPPEL PHILIPPIN	ES HOLDINGS, INC.(A)		13.14	150.26
FIRST PHILIPPINE I	HOLDINGS CORPORATION (A)		14.08	45.83

APPENDIX 1B (cont'd)

COMPANY NAME	1993	1993
	P/E	RETURN
DIZON COPPER-SILVER MINES, INC.	14.78	-81.43
URBAN BANK, INC.	15.62	11.21
MANILA JOCKEY CLUB, INC.	15.76	47.95
FIRST PHILIPPINE HOLDINGS CORPORATION (B)	17.23	27.96
TOTAL RETURN		427.03
MEAN		42.70
STANDARD DEVIATION		63.54
PORTFOLIO 4		
KEPPEL PHILIPPINES HOLDINGS, INC.(B)	17.41	185.23
BACNOTAN CONSOLIDATED INDUSTRIES, INC.	18.52	251.20
SM DEVELOPMENT CORPORATION (A)	19.7	266.67
REPUBLIC CEMENT CORPORATION (B)	20.96	5.58
ROBINSON'S LAND CORPORATION	21.01	-7.67
REPUBLIC CEMENT CORPORATION (A)	21.19	44.44
PHILIPPINE LONG DISTANCE TELEPHONE CO.	21.72	162.44
REPUBLIC GLASS HOLDINGS CORPORATION (A)	22.2	89.58
PHILIPPINE COMMERCIAL INTERNATIONAL BANK, INC.	22.58	63.75
LIBERTY FLOUR MILLS, INC.	22.78	-6.38
TOTAL RETURN		1,054.84
MEAN		105.48
STANDARD DEVIATION		98.91
PORTFOLIO 5		
METROPOLITAN BANK AND TRUST COMPANY	22.87	88.95
PHILIPPINE NATIONAL BANK	23.34	199.55
SAN MIGUEL CORPORATION (A)	25.27	158.07
HOUSE OF INVESTMENTS, INC.	26.98	107.62
RFM CORPORATION	27.09	60.06
KUOK PHILIPPINE PROPERTIES, INC. (A)	28.33	189.47
SANITARY WARES MANUFACTURING CORPORATION	28.39	86.35
SM DEVELOPMENT CORPORATION (B)	29.93	375.61
CEBU SHIPYARD AND ENGINEERING WORKS, INC. (A)	30.19	129.73
CEBU SHIPYARD AND ENGINEERING WORKS, INC. (B)	32.12	73.12
		4 400 50
TOTAL RETURN		1,468.53
MEAN STANDARD REVIATION		146.85
STANDARD DEVIATION		88.81

APPENDIX 1B (cont'd)

COMPANY NAME	1993	1993
	P/E	RETURN
PORTFOLIO 6		
MANILA MINING CORPORATION (A)	32.26	284.94
BALABAC OIL EXPLORATION & DRILLING CO., INC. (A)	33.53	68.42
BALABAC OIL EXPLORATION & DRILLING CO., INC. (B)	34.79	66.00
ORIENTAL PETROLEUM & MINERAL CORPORATION (A)	35.57	21.66
PHILIPPINE TELEGRAPH AND TELEPHONE CORP. (A)	36.02	28.06
PDCP DEVELOPMENT BANK, INC.	36.32	145.78
EEI CORPORATION	36.38	491.55
THE PHILIPPINE BANKING CORPORATION	36.44	11.95
MANILA MINING CORPORATION (B)	37.18	307.75
PHILIPPINE TELEGRAPH AND TELEPHONE CORP. (B)	37.72	32.86
TOTAL RETURN		1,458.97
MEAN		145.90
STANDARD DEVIATION		154.09
PORTFOLIO 7		
GUOCO LAND (PHILIPPINES), INC. (A)	39.31	24.62
INTERPHIL LABORATORIES, INC. (B)	39.59	120.12
LEPANTO CONSOLIDATED MINING CORP. (A)	40.23	62.55
PHILEX MINING CORPORATION (A)	40.93	39.74
A. SORIANO CORPORATION	41.21	135.13
SEAFRONT RESOURCES CORPORATION (A)	41.27	-8.00
INTERPHIL LABORATORIES, INC. (A)	41.4	132.88
LEPANTO CONSOLIDATED MINING CORP. (B)	44.34	65.42
SEAFRONT RESOURCES CORPORATION (B)	44.86	-6.91
SAN MIGUEL CORPORATION (B)	44.94	54.60
TOTAL RETURN		620.15
MEAN		62.01
STANDARD DEVIATION		50.36
PORTFOLIO 8		
AYALA CORPORATION (A)	47.5	102.69
ORIENTAL PETROLEUM & MINERAL CORPORATION (B)	52.95	60.08
PHILEX MINING CORPORATION (B)	54.45	45.00
PHILIPPINE REALTY AND HOLDINGS CORPORATION	60.63	29.63
BOGO-MEDELLIN MILLING CO., INC.	64.94	3.34
UNITED PARAGON MINING CORPORATION	66.3	101.10
VULCAN INDUSTRIAL AND MINING CORPORATION	67.1	47.73

APPENDIX 1B (concluded)

COMPANY NAME	1993	1993
	P/E	RETURN
GUOCO HOLDINGS (PHILS.), INC. (A)	69.84	39.64
AYALA CORPORATION (B)	73.19	184.87
JR GARMENTS CORPORATION	79.59	-13.04
TOTAL RETURN		601.04
MEAN		60.10
STANDARD DEVIATION		54.19
PORTFOLIO 9		
METRO PACIFIC CORPORATION	87.76	354.81
GUOCO HOLDINGS (PHILS.), INC. (B)	91.24	42.10
AYALA LAND, INC.	98.28	146.36
TRANS-ASIA OIL AND MINERAL DEVELOPMENT CORPORATION	114.98	23.64
PRYCE PROPERTIES CORPORATION (A)	123.53	50.00
UNIOIL AND GAS DEVELOPMENT CO., INC.	267.2	-22.75
MABUHAY HOLDINGS CORPORATION	304.19	11.88
ALCORN PETROLEUM AND MINERALS CORPORATION (A)	414.81	-13.94
ALCORN PETROLEUM AND MINERALS CORPORATION (B)	458.48	-12.78
PICOP RESOURCES, INC. (A)	1837.03	85.71
TOTAL RETURN		665.03
MEAN		66.50
STANDARD DEVIATION		107.83

Appendix 1C (1994)
Price Earnings Ratios and Stock Returns
1992-1995

COMPANY NAME	1994	1994
PORTFOLIO 1	P/E	RETURN
MANILA JOCKEY CLUB, INC.	-387.88	714.14
ALCORN PETROLEUM AND MINERALS CORPORATION (B)	-328.35	-64.47
ALCORN PETROLEUM AND MINERALS CORPORATION (A)	-321.58	-61.54
MABUHAY HOLDINGS CORPORATION	-85.17	59.22
ORIENTAL PETROLEUM & MINERAL CORPORATION (B)	-65.38	-8.91
ORIENTAL PETROLEUM & MINERAL CORPORATION (A)	-54.61	13.26
UNIOIL AND GAS DEVELOPMENT CO., INC.	-51.05	-52.78
ATLAS FERTILIZER CORPORATION (B)	-25.39	-35.00
ATLAS FERTILIZER CORPORATION (A)	-24.79	-12.50
INTEGRATED CHROME CQRPORATION (B)	-6.75	16.36
TOTAL RETURN		567.79
MEAN		56.78
STANDARD DEVIATION		222.24
STANDARD DEVIATION		
PORTFOLIO 2		
·		
INTEGRATED CHROME CORPORATION (A)	-6.07	-21.89
JR GARMENTS CORPORATION	-2.75	-67.50
ATLAS CONSOLIDATED MINING AND DEVELOPMENT CORPORATION(B)	-2.55	-15.00
ATLAS CONSOLIDATED MINING AND DEVELOPMENT CORPORATION(A)	-2.4	-24.71
SAN CARLOS MILLING CO., INC.	-1.76	-16.67
PHILTREAD TIRE AND RUBBER CORPORATION (A)	-1.25	-50.94
PHILTREAD TIRE AND RUBBER CORPORATION (B)	-1.25	-42.34
RIZAL COMMERCIAL BANKING CORPORATION (A)	6.97	78.12
RFM CORPORATION	7.73	122.22
MANILA BULLETIN PUBLISHING CORPORATION	8.27	-5.88
TOTAL RETURN		-44.58
MEAN		-4.46
STANDARD DEVIATION		56.05
PORTFOLIO 3		
SM DEVELOPMENT CORPORATION (A)	9.08	-49.09
SOLIDBANK CORPORATION	9.08	2.50
SM DEVELOPMENT CORPORATION (B)	9.26	-65.81
PRUDENTIAL BANK	9.34	38.82
DIZON COPPER-SILVER MINES, INC.	9.35	369.23
DHARMALA PHILIPPINES, INC. (A)	10.88	173.87
SAN MIGUEL CORPORATION (A)	11.31	33.41

Appendix 1C (con'td)

COMPANY NAME	1994	1994
	P/E	RETURN
CHINA BANKING CORPORATION	11.4	43.75
PHILIPPINE BANK OF COMMUNICATIONS	12.73	94.09
HOUSE OF INVESTMENTS, INC.	12.75	-44.90
		505.07
TOTAL RETURN		595.87 59.59
MEAN STANDARD DEVIATION		123.78
STANDARD DEVIATION		
PORTFOLIO 4		
LIBERTY FLOUR MILLS, INC.	14.1	3.33
MATSUSHITA ELECTRIC PHILIPPINES CORP.	14.27	31.63
REPUBLIC GLASS HOLDINGS CORPORATION (A)	14.43	2.22
MANILA MINING CORPORATION (A)	15.2	-40.27
GUOCO HOLDINGS (PHILS.), INC. (A)	15.29	-1.29
SAN MIGUEL CORPORATION (B)	15.48	1.38
PHILIPPINE LONG DISTANCE TELEPHONE CO.	15.72	-40.33
FAR EAST BANK AND TRUST COMPANY	15.95	74.64
EELCORPORATION	16.01	-51.56
A. SORIANO CORPORATION	16.04	-8.04
TOTAL DETURN		-28.29
TOTAL RETURN MEAN		-2.83
STANDARD DEVIATION		35.33
OTANO BETWEEN		
PORTFOLIO 5		
JARDINE DAVIES, INC.	16.09	59.47
CEBU SHIPYARD AND ENGINEERING WORKS, INC. (A)	16.1	-40.42
KEPPEL PHILIPPINES HOLDINGS, INC.(A)	16.11	-37.14
URBAN BANK, INC.	16.31	124.60
DHARMALA PHILIPPINES, INC. (B)	16.68	306.09
PHILIPPINE NATIONAL BANK	17.19	-38.65
BANK OF THE PHILIPPINE ISLANDS	17.71	125.72
FIRST PHILIPPINE HOLDINGS CORPORATION (A)	18.34	45.68
PDCP DEVELOPMENT BANK, INC.	18.46	-3.36
TRANS-ASIA OIL AND MINERAL DEVELOPMENT CORPORATION	18.83	-41.18
TOTAL RETURN		500.81
MEAN		50.08
STANDARD DEVIATION		105.72

Appendix 1C (cont'd)

COMPANY	NAME	1994 P/E	1994
		P/E	RETURN
PORTFOLIO 6			
REPUBLIC CEMENT CORPORATION (B)		19.01	19.71
PHILIPPINE REALTY AND HOLDINGS CORPORA	ATION	19.42	-7.62
SIME DARBY PILIPINAS, INC.		19.45	35.00
AYALA CORPORATION (A)		19.97	9.76
SANITARY WARES MANUFACTURING CORPOR	ATION	20.24	0.00
GUOCO HOLDINGS (PHILS.), INC. (B)		20.39	-1.23
LEPANTO CONSOLIDATED MINING CORP. (A)		21.36	-5.02
PHILIPPINE COMMERCIAL INTERNATIONAL BAI	NK, INC.	21.49	12.82
KEPPEL PHILIPPINES HOLDINGS, INC.(B)		21.97	-35.27
BOGO-MEDELLIN MILLING CO., INC.		22.46	-10.01
TOTAL RETURN			18.14
MEAN			1.81
STANDARD DEVIATION			18.08
PORTFOLIO 7			
The second of th		00.00	
PRYCE PROPERTIES CORPORATION (A)	INC. (D)	22.82	20.00
CEBU SHIPYARD AND ENGINEERING WORKS,	INC. (B)	23	-20.00
LEPANTO CONSOLIDATED MINING CORP. (B)		24.1 24.17	-2.78 19.27
PHILEX MINING CORPORATION (A)		24.17	-15.80
AYALA CORPORATION (B) CITYLAND DEVELOPMENT CORPORATION (A)		26.35	141.49
MANILA MINING CORPORATION (B)		26.73	-9.43
FIRST PHILIPPINE HOLDINGS CORPORATION ((B)	27.34	77.14
METROPOLITAN BANK AND TRUST COMPANY		27.94	88.87
VULCAN INDUSTRIAL AND MINING CORPORAT		28.11	11.54
TOTAL RETURN			310.29
MEAN			31.03
STANDARD DEVIATION			50.88
PORTFOLIO 8			
SEAFRONT RESOURCES CORPORATION (B)		28.84	-51.43
THE PHILIPPINE BANKING CORPORATION		29.35	72.28
SEAFRONT RESOURCES CORPORATION (A)		30.54	-44.10
INTERPHIL LABORATORIES, INC. (A)		31.48	-42.94
REPUBLIC CEMENT CORPORATION (A)		32.44	102.38
INTERPHIL LABORATORIES, INC. (B)		32.96	-41.83

Appendix 1C (cont'd)

COMPANY NAME	1994	1994
	P/E	RETURN
BACNOTAN CONSOLIDATED INDUSTRIES, INC.	34.65	73.11
ROBINSON'S LAND CORPORATION	35.32	36.10
PHILEX MINING CORPORATION (B)	37.18	37.93
BENGUET CORPORATION (A)	40.55	-35.14
TOTAL RETURN		106.37
MEAN		10.64
STANDARD DEVIATION		56.64
PORTFOLIO 9		
METRO PACIFIC CORPORATION	41.31	-40.55
KUOK PHILIPPINE PROPERTIES, INC. (A)	43.82	-28.18
UNITED PARAGON MINING CORPORATION	54.07	-45.36
PICOP RESOURCES, INC. (A)	56.96	23.08
AYALA LAND, INC.	66.9	10.64
BALABAC OIL EXPLORATION & DRILLING CO., INC. (A)	69.58	-43.75
PHILIPPINE TELEGRAPH AND TELEPHONE CORP. (A)	74.73	106.18
PHILIPPINE TELEGRAPH AND TELEPHONE CORP. (B)	75.34	98.92
BALABAC OIL EXPLORATION & DRILLING CO., INC. (B)	77.32	-39.76
GUOCO LAND (PHILIPPINES), INC. (A)	119.53	119.44
TOTAL RETURN		160.67
MEAN		16.07
STANDARD DEVIATION		64.33

Appendix 1D (1995) Price Earnings Ratios and Stock Returns

COMPANY NAME	1995	1995
	P/E	RETURN
PORTFOLIO 1		
MABUHAY HOLDINGS CORPORATION	-89.73	-21.95
SEAFRONT RESOURCES CORPORATION (A)	-85.09	-27.78
SEAFRONT RESOURCES CORPORATION (B)	-85.09	-23.53
BALABAC OIL EXPLORATION & DRILLING CO., INC. (B)	-47.82	-25.00
BALABAC OIL EXPLORATION & DRILLING CO., INC. (A)	-47.82	-16.67
PHILIPPINE TELEGRAPH AND TELEPHONE CORP. (B)	-40.09	-29.73
PHILIPPINE TELEGRAPH AND TELEPHONE CORP. (A)	-40.09	-29.15
ORIENTAL PETROLEUM & MINERAL CORPORATION (B)	-17.05	-66.48
ORIENTAL PETROLEUM & MINERAL CORPORATION (A)	-16.34	-61.54
PHILTREAD TIRE AND RUBBER CORPORATION (B)	-6.83	-23.40
TOTAL RETURN		-325.22
MEAN		-32.52
STANDARD DEVIATION		16.19
PODTES 10.0		
PORTFOLIO 2		
PHILTREAD TIRE AND RUBBER CORPORATION (A)	-6.07	-31.91
UNITED PARAGON MINING CORPORATION	-4.54	-40.00
ATLAS FERTILIZER CORPORATION (A)	-2.69	7.14
ATLAS FERTILIZER CORPORATION (B)	-2.69	15.38
JR GARMENTS CORPORATION	-1.19	69.23
ATLAS CONSOLIDATED MINING AND DEVELOPMENT CORPORATION(B)	-1.12	7.35
ATLAS CONSOLIDATED MINING AND DEVELOPMENT CORPORATION(A)	-1.06	7.81
PHILIPPINE REALTY AND HOLDINGS CORPORATION	0.91	-4.12
KUOK PHILIPPINE PROPERTIES, INC. (A)	3.33	-32.91
DIZON COPPER-SILVER MINES, INC.	4.34	680.00
TOTAL DETUDI		677.97
TOTAL RETURN		67.80
MEAN STANDARD DEVIATION		206.24
STANDARD DEVIATION		200.24
PORTFOLIO 3		
RIZAL COMMERCIAL BANKING CORPORATION (A)	4.84	18.90
MANILA JOCKEY CLUB, INC.	5.09	44.57
SOLIDBANK CORPORATION	5.31	-7.50
LIBERTY FLOUR MILLS, INC.	6.19	1.67
PRUDENTIAL BANK	7.17	4.00
DHARMALA PHILIPPINES, INC. (A)	7.22	-11.18

Appendix 1D (cont'd)

COMPANY NAME	1995	1995
	P/E	RETURN
DHARMALA PHILIPPINES, INC. (B)	7.58	-55.03
SM DEVELOPMENT CORPORATION (A)	7.79	5.10
SM DEVELOPMENT CORPORATION (B)	7.95	0.00
HOUSE OF INVESTMENTS, INC.	8.18	-11.56
TOTAL RETURNS		-11.03
MEAN		-1.10
STANDARD DEVIATION		23.91
PORTFOLIO 4		
MANILA MINING CORPORATION (A)	8.5	-62.77
MANILA MINING CORPORATION (B)	8.68	-78.56
REPUBLIC GLASS HOLDINGS CORPORATION (A)	8.83	33.33
CITYLAND DEVELOPMENT CORPORATION (A)	8.96	35.33
BACNOTAN CONSOLIDATED INDUSTRIES, INC.	9.38	-29.58
BOGO-MEDELLIN MILLING CO., INC.	9.39	-17.50
PDCP DEVELOPMENT BANK, INC.	9.42	-22.75
MATSUSHITA ELECTRIC PHILIPPINES CORP.	9.91	4.73
CHINA BANKING CORPORATION	9.96	14.40
CEBU SHIPYARD AND ENGINEERING WORKS, INC. (A)	10.18	-24.61
TOTAL RETURNS		-147.98
MEAN		-14.80
STANDARD DEVIATION		35.71
PORTFOLIO 5		
SIME DARBY PILIPINAS, INC.	10.25	-59.47
MANILA BULLETIN PUBLISHING CORPORATION	10.42	38.57
GUOCO HOLDINGS (PHILS.), INC. (A)	10.61	13.00
PICOP RESOURCES, INC. (A)	11.29	-60.62
EEI CORPORATION	11.37	-23.27
PHILEX MINING CORPORATION (A)	11.76	-15.38
RFM CORPORATION	12.63	-29.11
A. SORIANO CORPORATION	13.09	10.42
GUOCO HOLDINGS (PHILS.), INC. (B)	13.3	5.00
PHILIPPINE BANK OF COMMUNICATIONS	13.3	25.18
TOTAL RETURNS		-95.68
MEAN		-9.57
STANDARD DEVIATION		32.16

Appendix 1D (cont'd)

COMPANY NAME	1995	1995
PORTFOLIO 6	P/E	RETURN
64.1		
PRYCE PROPERTIES CORPORATION (A)	13.52	7.30
PHILIPPINE NATIONAL BANK	14.09	-15.94
URBAN BANK, INC.	14.19	-6.40
FIRST PHILIPPINE HOLDINGS CORPORATION (A)	14.31	-15.16
PHILIPPINE COMMERCIAL INTERNATIONAL BANK, INC.	14.31	10.68
FAR EAST BANK AND TRUST COMPANY	14.5	8.75
CEBU SHIPYARD AND ENGINEERING WORKS, INC. (B)	14.97	-22.36
REPUBLIC CEMENT CORPORATION (A)	15.64	-15.29
REPUBLIC CEMENT CORPORATION (B)	15.85	46.59
PHILEX MINING CORPORATION (B)	16.04	-25.00
TOTAL RETURNS		-26.83
MEAN		-2.68
STANDARD DEVIATION		20.56
PORTFOLIO 7		
SAN CARLOS MILLING CO., INC.	16.41	0.00
SAN MIGUEL CORPORATION (A)	16.45	-27.28
PHILIPPINE LONG DISTANCE TELEPHONE CO.	17.01	5.25
TRANS-ASIA OIL AND MINERAL DEVELOPMENT CORPORATION	17.05	25.00
SANITARY WARES MANUFACTURING CORPORATION	17.45	-13.04
AYALA CORPORATION (A)	17.66	-4.11
KEPPEL PHILIPPINES HOLDINGS, INC.(A)	18.17	-9.09
JARDINE DAVIES, INC.	18.79	-10.00
ROBINSON'S LAND CORPORATION	19.88	-1.86
THE PHILIPPINE BANKING CORPORATION	19.92	31.87
TOTAL RETURNS		-3.26
MEAN		-0.33
STANDARD DEVIATION		16.69
PORTFOLIO 8		
FIRST PHILIPPINE HOLDINGS CORPORATION (B)	20.86	-17.23
METROPOLITAN BANK AND TRUST COMPANY	21.16	5.61
BANK OF THE PHILIPPINE ISLANDS	23.07	58.93
LEPANTO CONSOLIDATED MINING CORP. (A)	24.06	-7.69
METRO PACIFIC CORPORATION	24.69	33.70
KEPPEL PHILIPPINES HOLDINGS, INC.(B)	24.99	-8.33
LEPANTO CONSOLIDATED MINING CORP. (B)	25.4	-13.64

Appendix 1D (concluded)

COMPANY NAME	1995 P/E	1995 RETURN
AYALA CORPORATION (B)	25.68	12.00
SAN MIGUEL CORPORATION (B)	28.59	-9.10
UNIOIL AND GAS DEVELOPMENT CO., INC.	33.54	29.41
TOTAL RETURNS		83.66
MEAN		8.37
STANDARD DEVIATION		23.76
PORTFOLIO 9		
INTERPHIL LABORATORIES, INC. (A)	34.74	-12.12
INTERPHIL LABORATORIES, INC. (B)	36.3	-10.48
AYALA LAND, INC.	39.22	-15.63
BENGUET CORPORATION (A)	41.2	20.83
INTEGRATED CHROME CORPORATION (B)	51.34	-10.00
INTEGRATED CHROME CORPORATION (A)	51.34	0.00
GUOCO LAND (PHILIPPINES), INC. (A)	66.81	-27.43
ALCORN PETROLEUM AND MINERALS CORPORATION (A)	169.02	-36.84
ALCORN PETROLEUM AND MINERALS CORPORATION (B)	211.28	-22.68
VULCAN INDUSTRIAL AND MINING CORPORATION	233.46	-37.93
TOTAL RETURNS		-152.28
MEAN		-15.3
STANDARD DEVIATION		16.67

Appendix 2A Top Ten Best Performers (1992-1995) Annual Return for the Years

1992

1332		
MANILA MINING CORPORATION (B)		901.61
MANILA MINING CORPORATION (A)		824.19
DIZON COPPER-SILVER MINES, INC.		543.38
EEI CORPORATION		294.44
SAN MIGUEL CORPORATION (B)	* 5,	218.74
PHILIPPINE COMMERCIAL INTERNATIONAL BANK, INC.		159.28
UNIOIL AND GAS DEVELOPMENT CO., INC.		140.21
PRUDENTIAL BANK		126.67
DHARMALA PHILIPPINES, INC. (A)		114.58
CHINA BANKING CORPORATION		102.19
1993		
EEI CORPORATION		491.55
SM DEVELOPMENT CORPORATION (B)		375.61
METRO PACIFIC CORPORATION		354.81
MANILA MINING CORPORATION (B)		309.05
MANILA MINING CORPORATION (A)		284.94
SM DEVELOPMENT CORPORATION (A)		266.67
BACNOTAN CONSOLIDATED INDUSTRIES, INC.		251.20
PHILIPPINE NATIONAL BANK		199.55
SOLIDBANK CORPORATION		198.18
AYALA CORPORATION (B)		189.92
4004		
1994		714.14
MANILA JOCKEY CLUB, INC.		369.23
DIZON COPPER-SILVER MINES, INC.		306.09
DHARMALA PHILIPPINES, INC. (B)		173.87
DHARMALA PHILIPPINES, INC. (A)		141.49
CITYLAND DEVELOPMENT CORPORATION (A)		125.72
BANK OF THE PHILIPPINE ISLANDS		124.60
URBAN BANK, INC.		122.22
REM CORPORATION		119.44
GUOCO LAND (PHILIPPINES), INC. (A)		106.18
PHILIPPINE TELEGRAPH AND TELEPHONE CORP. (A)		100.10
1995		
DIZON COPPER-SILVER MINES, INC.		680.00
JR GARMENTS CORPORATION		69.23
BANK OF THE PHILIPPINE ISLANDS		58.93
REPUBLIC CEMENT CORPORATION (B)		46.59
MANILA JOCKEY CLUB, INC.		44.57
MANILA BULLETIN PUBLISHING CORPORATION		38.57
CITYLAND DEVELOPMENT CORPORATION (A)		35.33
METRO PACIFIC CORPORATION		33.70
REPUBLIC GLASS HOLDINGS CORPORATION (A)		33.33
THE PHILIPPINE BANKING CORPORATION		31.87

Appendix 2B Ten Worst Performers (1992-1995) Stock Returns

Stock Returns	Stock Return
1992	Otook Return
REPUBLIC GLASS HOLDINGS CORPORATION (A)	-53.85
ATLAS FERTILIZER CORPORATION (B)	-52.94
MATSUSHITA ELECTRIC PHILIPPINES CORP.	-43.48
SAN CARLOS MILLING CO., INC.	-42.86
SOLIDBANK CORPORATION	-25.32
LEPANTO CONSOLIDATED MINING CORP. (B)	-22.40
LEPANTO CONSOLIDATED MINING CORP. (A)	-20.01
PHILIPPINE TELEGRAPH AND TELEPHONE CORP. (B)	-15.66
INTEGRATED CHROME CORPORATION (A)	-13.28
SANITARY WARES MANUFACTURING CORPORATION	-13.16
1993	
DIZON COPPER-SILVER MINES, INC.	-81.43
ATLAS CONSOLIDATED MINING AND DEVELOPMENT CORPORATION (B)	-38.46
PHILTREAD TIRE AND RUBBER CORPORATION (B)	-34.44
INTEGRATED CHROME CORPORATION (B)	-25.95
PHILTREAD TIRE AND RUBBER CORPORATION (A)	-22.91
UNIOIL AND GAS DEVELOPMENT CO., INC.	-22.75
ATLAS CONSOLIDATED MINING AND DEVELOPMENT CORPORATION (A)	-22.73
ALCORN PETROLEUM AND MINERALS CORPORATION (A)	-13.94
JR GARMENTS CORPORATION	-13.04
ALCORN PETROLEUM AND MINERALS CORPORATION (B)	-12.78
1994	
JR GARMENTS CORPORATION	-67.50
SM DEVELOPMENT CORPORATION (B)	-65.81
ALCORN PETROLEUM AND MINERALS CORPORATION (B)	-64.47
ALCORN PETROLEUM AND MINERALS CORPORATION (A)	-61.54
UNIOIL AND GAS DEVELOPMENT CO., INC.	-52.78
EEI CORPORATION	-51.56
SEAFRONT RESOURCES CORPORATION (B)	-51.43
PHILTREAD TIRE AND RUBBER CORPORATION (A)	-50.94
SM DEVELOPMENT CORPORATION (A)	-49.09
UNITED PARAGON MINING CORPORATION	-45.36
4005	
1995	-78.39
MANILA MINING CORPORATION (B) ORIENTAL PETROLEUM & MINERAL CORPORATION (B)	-66.48
MANILA MINING CORPORATION (A)	-62.77
	-61.54
ORIENTAL PETROLEUM & MINERAL CORPORATION (A)	-60.62
PICOP RESOURCES, INC. (A)	-59.47
SIME DARBY PILIPINAS, INC.	-40.04
DHARMALA PHILIPPINES, INC. (B)	-40.00
UNITED PARAGON MINING CORPORATION VULCAN INDUSTRIAL AND MINING CORPORATION	-37.93
ALCORN PETROLEUM AND MINERALS CORPORATION (A)	-36.84
WEGOVIA LET VOCEOINI WIND INITIAELWES CONFORMATION (V)	-30.04