

SECURITIES AND EXCHANGE COMMISSION

FORM N-30D

Initial annual and semi-annual reports mailed to investment company shareholders pursuant to Rule 30e-1 (other than those required to be submitted as part of Form NCSR)

Filing Date: **1994-03-02** | Period of Report: **1993-12-31**
SEC Accession No. [0000820027-94-000146](#)

([HTML Version](#) on [secdatabase.com](#))

FILER

IDS LIFE VARIABLE ANNUITY FUND B

CIK: **49707** | State of Incorporation: **MN** | Fiscal Year End: **1231**
Type: **N-30D** | Act: **40** | File No.: **811-01674** | Film No.: **94514176**

Business Address
*80 SOUTH 8TH STREET
T33/52
MINNEAPOLIS MN 55440
6123428626*

PAGE 1

1993 ANNUAL REPORT
IDS Life Variable Annuity Fund B

Invests in a wide range of securities to provide long-term capital appreciation for contract owners

FINANCIAL PLANNING

IDS
An American Express company
AMERICAN
EXPRESS

Managed by IDS Life Insurance Company

PAGE 2

Message from the President

(Photo of) James A. Mitchell

Dear Contract Owner,

IDS Life Variable Annuity Fund B outperformed the broad stock market during the past year, providing contract owners with a solid increase on their investment. The Fund's portfolio manager and his team review the past period and discuss prospects for the future in their comments on the next page.

The stock market's ongoing fluctuations reinforce the fact that a focus on long-term financial objectives is an especially important guideline in today's investment environment. The Fund's approach of investing for the long term in high-quality growth stocks has benefited contract owners in the past and, despite short-term movements in the market, should continue to be beneficial in the future.

One way to benefit from short-term market movements is by making regular investments of fixed amounts of money in an investment that is expected to grow in value over time. This systematic approach, called dollar-cost averaging, smoothes the effects of stock market volatility and can reduce the average cost of buying accumulation units. If your contract allows additional payments, those extra purchases enable you to dollar-cost average. Subject to restrictions, if your contract has a fixed account, you also can establish a systematic transfer program from the fixed account to the variable account.

In essence, you may take advantage of market fluctuations by purchasing more accumulation units when the price is low and fewer units when the price is high. This may help you achieve what every investor wants: to buy at the lowest average price. While dollar-cost averaging does not ensure a profit and does not protect against a loss if the market declines, it is an effective way for many contract owners who continue investing through changing market conditions to obtain accumulation units at a lower average cost to meet long-term goals.

Your IDS personal financial planner can tell you more about systematic investing and how it can help you meet your financial objectives. Your planner also can help you make sure your investment strategies continue to meet the objectives in your financial plan. As your objectives and time horizons change, talk to your planner about the broad range of IDS and IDS Life products and services designed to help you meet a variety of investment and protection needs.

Sincerely,

James A. Mitchell
President and Chief Executive Officer
IDS Life Insurance Company

PAGE 3

From Your Portfolio Management Team: A Perspective

(Photo of) Gordon Fines

Gordon Fines leads the management team for IDS Life Variable Annuity Fund B. He also manages IDS New Dimensions Fund and serves as president of Growth Spectrum Advisors.

Although it was a somewhat unsettled period for the stock market, investing in stocks again proved to be rewarding for contract owners during the past year.

On Dec. 31, 1993, the accumulation unit value of the IDS Life Variable Annuity Fund B was \$12.69, compared with \$11.60 at the beginning of the year. (If you purchased additional accumulation units during this period, your return would have been affected by the sales and administrative charges, as described in the prospectus.)

The stock market fluctuated considerably during the past 12 months, with stocks advancing and retreating on a variety of economic and political developments. Although the underlying trend was moderately higher, the environment rewarded only certain stock groups and, in most cases, only on a temporary basis. Because the market severely penalized certain stocks, it was at least as important to avoid the vulnerable stocks as it was to own the profitable ones.

Growth stocks -- the foundation of the portfolio -- got off to a poor start, as profit-hungry investors began selling shares that had risen strongly in previous months. The sell-off was especially evident among growth stocks in the health care sector, whose future was called into question by the administration's plans to revamp the nation's health care system.

Fortunately, we had already reduced our holdings in the health care sector, so the portfolio was not greatly affected by that trend. The same was true for growth stocks in the retailing sector, although their downturn was far less dramatic. Formerly a substantial portion of our holdings, retailing was pared back considerably after the beginning of the year. To guard against the possibility of big drops in individual issues, we also increased the number of stocks in the portfolio. This increased diversification proved beneficial in subsequent months.

By May, things began looking better for growth stocks. With the economy displaying only modest improvement, investors became increasingly attracted to growth companies because of the relatively high profits they were able to generate. This positive environment lasted until October, when signs of a stronger economy began to draw more investors toward "cyclical" stocks, which respond best during an economic pickup.

Although we owned a broad range of issues, a sizable portion of our gain for the year came from three sectors: telecommunications, technology and financial services. Looking at our best-performing stocks regardless of sector, Southwest Airlines, Motorola, MCI

PAGE 4

Communications and McCaw Cellular (both in telecommunications) and Promus (a hotel/casino operator) were among those posting excellent gains.

As for the current year, we think that health care services stocks are in good position to gain ground, and we continue to like the outlook for telecommunications and technology stocks. If the market, and growth stocks in particular, advance during the year, we expect these groups to respond particularly well and benefit the Fund accordingly.

<TABLE>

<CAPTION>

Ten Largest Holdings

Dec. 31, 1993

Common Stocks	Value	Percent of Fund's Net Assets
<S>	<C>	<C>
Cisco Systems	20,886,800	3.91%
Manufacturer of computer network products		
Time Warner	17,257,500	3.23
Publishing, entertainment and video		
Motorola	16,165,625	3.02
Manufacturer of semiconductors and communication equipment		

Brinker Int'l	15,525,000	2.91
Limited menu restaurants		
Southwest Airlines	15,000,000	2.81
Airline that serves the U.S. Southwest		
First Financial Management	14,982,000	2.80
Financial data processing services		
Federal National Mortgage	13,737,500	2.57
Provides residential mortgage funds		
CSX	12,960,000	2.42
Railroad holding and transportation		
American International Group	12,723,750	2.38
Major international insurance holding company		
Promus	11,437,500	2.14
Hotel and casino operations		
Total	\$150,675,675	28.19%

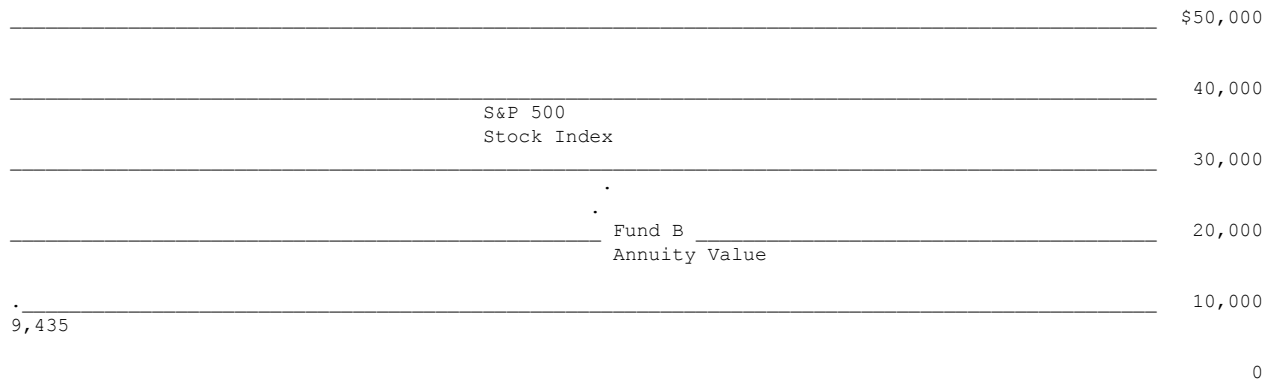
</TABLE>

PAGE 5
Investment Illustration

On the chart below you can see how IDS Life Variable Annuity Fund B's total return compared to the Standard & Poor's 500 Index (S&P 500), an unmanaged list of common stocks, frequently used as a general measure of market performance. In comparing the Fund to the S&P 500, you should take into account the fact that the Fund's performance reflects a 5.65 percent total sales and administrative charge, while nosuch sales charge is reflected in the performance of the S&P 500.

Investment performance of the Fund, after charges, is reflected in the unit value calculation. There are no dividend or capital gain distributions, therefore, the assumed units purchased would remain constant throughout the period.

How your \$10,000 has grown in IDS Life Variable Annuity Fund B
<TABLE><CAPTION>



<S>	<C> 1983	<C> 1984	<C> 1985	<C> 1986	<C> 1987	<C> 1988	<C> 1989	<C> 1990	<C> 1991	<C> 1992	<C> 1993
Dec. 31 Unit Value	9,435	9,254	11,354	13,255	17,035	18,219	23,951	24,458	36,452	38,901	42,567
	2.813	2.759	3.385	3.952	5.079	5.432	7.141	7.292	10.868	11.598	12.691

The above represents an assumed investment of \$10,000 into a single payment annuity contract on Dec. 31, 1983. Values are calculated on Dec. 31 of each year. (No new contracts are currently being sold.)

Average Annual Total Return on Each of Three Investments

Date of investment	Period investment held in years	Average annual total return
Dec. 31, 1983	10	+16.26%
Dec. 31, 1988	5	+18.50
Dec. 31, 1992	1	+ 9.42

The returns reflect the deduction of a sales and administrative charge and a mortality and expense risk charge.

Your investment and return value fluctuate so that your accumulation units, when redeemed, may be worth more or less than

their original cost. This was a period of fluctuating security prices. Past performance is no guarantee of future results.

PAGE 6

Annual Financial Information

Report of Independent Auditors

The Board of Managers and Contract Owners
IDS Life Variable Annuity Fund B:

We have audited the accompanying statement of assets, liabilities and contract owners' equity of IDS Life Variable Annuity Fund B, including the schedule of investments in securities, as of December 31, 1993, the related statement of operations for the year then ended, the statement of changes in contract owners' equity for each of the two years in the period then ended, and the selected per unit data and ratios presented under "Financial Highlights" for each of the five years in the period then ended. These financial statements and per unit data and ratios are the responsibility of the Fund's management. Our responsibility is to express an opinion on these financial statements and per unit data and ratios based on our audits.

We conducted our audits in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and per unit data and ratios are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. Our procedures included confirmation of investments owned at December 31, 1993, by correspondence with the custodian and brokers. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements and selected per unit data and ratios referred to above present fairly, in all material respects, the financial position of IDS Life Variable Annuity Fund B at December 31, 1993, the results of its operations for the year then ended, the changes in its contract owners' equity for each of the two years in the period then ended, and the selected per unit data and ratios for each of the five years in the period then ended in conformity with generally accepted accounting principles.

ERNST & YOUNG
Minneapolis, Minnesota
January 24, 1994

PAGE 7
<TABLE>
<CAPTION>

Statement of Assets, Liabilities and Contract Owners' Equity

Dec. 31, 1993

Assets

<S>	<C>
Investments in securities, at value (Note 1)	
(Identified cost, \$389,261,171)	\$536,658,181
Cash in bank on demand deposit	278,845
Receivable for investment securities sold	864,206
Dividends and interest receivable	379,160
Receivable from IDS Life Insurance Company for contract purchase payments.	31,682
Total assets	\$538,212,074

Liabilities

Payable for investment securities purchased.	\$ 3,476,224
Payable for contract terminations	158,874
Payable to IDS Life Insurance Company for:	
Mortality and expense assurance fee	14,661
Investment management fee.	5,865
Total liabilities	3,655,624

Contract owners' equity

Contracts in accumulation period - 41,447,618 units at \$12.69 per unit (Note 5)	525,991,210
Contracts in payment period - 23,493 annuity units	8,565,240
Total contract owners' equity.	534,556,450
Total liabilities and contract owners' equity	\$538,212,074

See accompanying notes to financial statements.
</TABLE>

PAGE 8
<TABLE>
<CAPTION>

Statement of Operations Year ended Dec. 31, 1993

Investment loss - net

<S>	<C>
Income:	
Dividends (net of foreign taxes withheld of \$32,240)	\$ 4,194,414
Interest	2,161,381
Total income	6,355,795
Expenses:	
Mortality and expense assurance fee (Note 2)	5,163,853
Investment management fee and brokerage charges (Note 3)	2,067,477
Total expenses.	7,231,330
Investment loss - net	(875,535)

Realized and unrealized gain (loss) on investments - net

Net realized gain on investments (Note 4)	58,967,445
Net change in unrealized appreciation or depreciation of investments	(11,397,737)
Net gain on investments.	47,569,708
Net increase in contract owners' equity from operations	.\$46,694,173

See accompanying notes to financial statements.
</TABLE>

PAGE 9
<TABLE>
<CAPTION>

Statement of Changes in Contract Owners' Equity Years ended Dec. 31,

Operations

<S>	1993	1992
Investment loss - net	\$ (875,535)	\$ (1,338,878)
Net realized gain on investments	58,967,445	74,758,030
Net change in unrealized appreciation or depreciation of investments	(11,397,737)	(42,533,158)
Net increase in contract owners' equity from operations	46,694,173	30,885,994

Contract Transactions

Net contract purchase payments (Note 2)	6,198,963	6,708,633
Repayment of temporary withdrawals	7,315	6,542
Net transfers from (to) fixed annuities	4,463,825	(4,730,672)
Actuarial adjustment for mortality assurance on annuities in payment period (Note 2)	(414,512)	132,633
Contract termination payments and temporary withdrawals	(27,401,827)	(26,671,196)
Annuity payments	(1,141,910)	(1,058,355)

Net decrease from contract transactions.	(18,288,146)	(25,612,415)
Net increase in contract owners' equity.	28,406,027	5,273,579
<hr/>		
Contract owners' equity at beginning of year	506,150,423	500,876,844
<hr/>		
Contract owners' equity at end of year	\$534,556,450	\$506,150,423

See accompanying notes to financial statements.
</TABLE>

PAGE 10
Notes to Financial Statements

1. Organization and Summary of Significant Accounting Policies

IDS Life Variable Annuity Fund B (the Fund) is organized as a segregated asset account of IDS Life Insurance Company (IDS Life) under Minnesota law and is registered under the Investment Company Act of 1940 as a diversified, open-end management investment company. The Fund's assets are held for the exclusive benefit of its variable annuity contract owners and are not chargeable with any liabilities arising from the other business activities of IDS Life. The significant accounting policies followed by the Fund are summarized as follows:

Investments in Securities

Securities traded on national securities exchanges are valued at the last quoted sales price on the principal exchange on which traded. Securities traded in the over-the-counter market are valued at the mean of the last quoted bid and asked price. Short-term securities which mature in 60 days or less are valued at amortized cost. Those maturing in more than 60 days from the valuation date are valued at the market price or approximate market value based on current interest rates. Short-term securities originally purchased with maturities of more than 60 days but which currently mature in 60 days or less are valued on an amortized cost basis using the market value or approximate market value on the 61st day before maturity. Bonds and other securities are valued at fair value as determined by the Board of Managers when market quotations are not readily available. Determination of fair value involves among other things, references to market indices, matrix pricing and data from independent brokers.

Security transactions are accounted for on the date the securities are purchased and sold. Dividend income is recorded on the ex-dividend date.

Option Contracts

In order to produce incremental earnings, protect gains, and facilitate buying and selling of securities for investment purposes, the Fund may buy and sell put and call options and write covered call options on portfolio securities. The risk in writing a call option is that the Fund gives up the opportunity of profit if the market price of the security increases. The risk in writing a put option is that the Fund may incur a loss if the market price of the security decreases and the option is exercised. The risk in buying an option is that the Fund pays a premium whether or not the option is exercised. The Fund also has the additional risk of not being able to enter into a closing transaction if a liquid secondary market does not exist.

Option contracts are valued daily at the closing prices on their primary exchanges and unrealized appreciation or depreciation is recorded. The Fund will realize a gain or loss upon expiration or closing of the option transaction. When an option is exercised, the proceeds on sales for a written call option, the purchase cost for a written put option or the cost of a security for a purchased put or call option is adjusted by the amount of premium received or paid.

PAGE 11

Futures Contracts

In order to gain exposure to or protect itself from changes in the market, the Fund may buy and sell stock index futures contracts and related options. Risks of entering into futures contracts and

related options include the possibility that there may be an illiquid market and that a change in the value of the contract or option may not correlate with the changes in the value of the underlying securities.

Upon entering into a futures contract, the Fund is required to deposit either cash or securities in an amount (initial margin) equal to a certain percentage of the contract value. Subsequent payments (variation margin) are made or received by the Fund each day. The variation margin payments are equal to the daily changes in the contract value and are recorded as unrealized gains and losses. The Fund recognizes a realized gain or loss when the contract is closed or expires.

Foreign Currency Translations and Forward Foreign Currency Contracts

Securities and other assets and liabilities denominated in foreign currencies are translated daily into U.S. dollars at the closing rate of exchange. Foreign currency amounts related to the purchase or sale of securities, income and expenses are translated at the rate of exchange on the transaction date. It is not practicable to identify that portion of realized and unrealized gain or loss arising from changes in the exchange rates from the portion arising from changes in the market value of investments.

The Fund may also enter into forward foreign currency exchange contracts for operational purposes. The net U.S. dollar value of foreign currency underlying all contractual commitments held by the Fund and the resulting unrealized appreciation or depreciation are determined using foreign currency exchange rates from an independent pricing service. The Fund is subject to the credit risk that the other party will not complete the obligations of the contract.

Federal Income Taxes

IDS Life is taxed as a life insurance company. The Fund is treated as part of IDS Life for federal income tax purposes. Under current federal income tax law, no taxes are payable with respect to any income of the Fund.

2. Mortality and Expense Assurance Fee and Sales Charges

IDS Life makes contractual assurances to the Fund that possible future adverse changes in administrative expenses and mortality experience of the annuitants and beneficiaries will not affect the Fund. The mortality and expense assurance fee paid to IDS Life is computed daily and is equal on an annual basis to 1 percent of the average daily net assets of the Fund.

Charges by IDS Life for its sales and administrative services applicable to the variable annuity contracts amounted to \$234,942 in 1993 and \$256,654 in 1992. Such charges are not an expense of the Fund. They are deducted from contract purchase payments and are not included in the net contract purchase payments to the Fund.

PAGE 12

3. Investment Management Agreement

The Fund has an Investment Management Agreement with IDS Life. For its services, IDS Life is paid a fee based on the aggregate average daily net assets of the Fund. The investment management fee paid to IDS Life is computed daily and is equal on an annual basis to 0.4 percent of the average daily net assets of the Fund.

In addition to paying its own management fee, the Fund also pays all brokerage commissions and charges in the purchase and sale of assets. Brokerage charges are paid to IDS Life for reimbursement of charges incurred in the purchase and sale of foreign securities.

4. Security Transactions and Basis for Determining Realized Gain and Loss

Cost of purchases and proceeds from sales of securities (other than short-term obligations) aggregated \$290,882,772 and \$303,498,325 for the year ended Dec. 31, 1993. Net realized gain on investments has been determined on the basis of identified costs.

Brokerage commissions paid to brokers affiliated with IDS Life were \$63,678 for the year ended Dec. 31, 1993.

5. Accumulation Units

The changes in number of outstanding units applicable to contracts in the accumulation period were as follows:

<TABLE>
<CAPTION>
Years ended Dec. 31,

	1993	1992
<S>	<C>	<C>
Units outstanding at beginning of year.	42,900,879	45,306,745
Additions for contract purchase payments and repayments	518,156	639,612
Net transfers from (to) fixed annuities	360,903	(464,418)
Deductions for contract terminations and withdrawals	(2,332,320)	(2,581,060)
Units outstanding at end of year.	41,447,618	42,900,879

</TABLE>

6. Financial Highlights

The table below shows certain important financial information for evaluating the Fund's results.

PAGE 13
<TABLE>
<CAPTION>
Years ended Dec. 31,

	1993	1992	1991	1990	1989
<S>	<C>	<C>	<C>	<C>	<C>
Accumulation unit value at beginning of year.	\$11.60	\$10.87	\$ 7.29	\$7.14	\$5.43
Income from investment operations:					
Net investment income (loss)	(.02)	(.03)	.02	.07	.05
Net gains (losses) on securities, both realized and unrealized.	1.11	0.76	3.56	.08	1.66
Total from investment operations.	1.09	0.73	3.58	.15	1.71
Accumulation unit value at end of year.	\$12.69	\$11.60	\$10.87	\$7.29	\$7.14
Total Return*	9.42%	6.72%	49.03%	2.12%	31.46%

Ratios/Supplemental Data

Total contract owner's equity at end of year (000 omitted)	\$.534,556	\$506,150	\$500,877	\$355,049	\$376,790
Ratio of operating expenses to average net assets	1.40%	1.40%	1.41%	1.41%	1.43%
Ratio of net investment income (loss) to average net assets	(0.17)%	(0.28)%	0.26%	0.93%	0.75%
Portfolio turnover rate.	64%	74%	67%	56%	53%

*Total return does not reflect payment of a sales charge.

</TABLE>

The foregoing table pertains to accumulation units only. There are two kinds of units. As long as you are paying into the Fund they are called "accumulation" units, when you begin to receive your annuity, they change to "annuity" units.

The value of an annuity unit (assuming a 3.5 percent investment rate) was \$5.41 as of Dec. 31, 1993, \$5.11 as of Dec. 31, 1992, \$4.96 as of Dec. 31, 1991, \$3.46 as of Dec. 31, 1990 and \$3.51 as of Dec. 31, 1989. The value of an annuity unit (assuming a 5 percent investment rate) was \$3.78 as of Dec. 31, 1993, \$3.63 as of Dec. 31, 1992, \$3.57 as of Dec. 31, 1991, \$2.53 as of Dec. 31, 1990 and \$2.60 as of Dec. 31, 1989.

PAGE 14

Investments in Securities, Dec. 31, 1993

(Percentages represent value of investments compared to total net assets)

Common Stocks

Issuer	Shares	Value (a)
Airlines (2.8%)		
Southwest Airlines.	400,000	\$ 15,000,000

Automotive & Related (3.7%)		
Chrysler	204,000	10,863,000
Eaton	176,000	8,888,000
		<hr/> 19,751,000

Banks & Thrifts (2.2%)		
First Chicago	255,800	11,063,350
Norwest	38,900	948,188
		<hr/> 12,011,538

Beverages & Tobacco (1.9%)		
Coca-Cola	234,400	10,460,100

Chemicals (0.9%)		
Great Lakes Chemical	65,000	4,850,625

Computers & Office Equipment (7.5%)		
COMPAQ Computer	115,000 (b)	8,510,000
Computer Association Int'l	68,000	2,720,000
Informix	142,000 (b)	3,017,500
Microsoft	70,000 (b)	5,643,750
Oracle Systems	336,000 (b)	9,660,000
Sun Microsystems	360,000 (b)	10,485,000
		<hr/> 40,036,250

Electronics (2.0%)		
Intel	175,000	10,850,000

PAGE 15

Issuer	Shares	Value (a)
Financial Services (10.3%)		
Dean Witter	204,000	7,063,500
Federal National Mortgage	175,000	13,737,500
First Financial Management	264,000	14,982,000
H & R Block	120,000	4,890,000
Merrill Lynch & Co.	178,000	7,476,000
Primerica	180,000	6,997,500
		<hr/> 55,146,500

Foreign (5.8%)		
Cable & Wireless	216,000	5,184,000
Ericsson	138,000	5,571,750
Grupo Televisa	140,000 (d)	9,800,000
Magna International	124,000	6,169,000
Talisman	200,000 (b)	4,399,380
		<hr/> 31,124,130

Health Care (2.2%)		
Genentech	90,000 (b)	4,545,000
Medtronic	85,000	6,980,625
		<hr/> 11,525,625

Health Care Services (1.9%)		
HEALTHSOUTH Rehabilitation	135,000 (b)	3,408,750
United Healthcare	85,800	6,510,075
		<hr/> 9,918,825

Household Products (1.1%)		
Gillette	95,000	5,664,375

Industrial Transportation (2.4%)		
CSX	160,000	12,960,000

Insurance (4.5%)		
American International Group	145,000	12,723,750
Equitable	422,000	11,394,000
		<u>24,117,750</u>

PAGE 16

Issuer	Shares	Value (a)
Leisure Time & Entertainment (5.0%)		
Int'l Game Technology	202,000	5,959,000
Mattel	115,000	3,176,875
Promus	250,000	11,437,500
Walt Disney	140,000	5,967,500
		<u>26,540,875</u>

Media (8.8%)		
Comcast	227,000	8,257,125
News Corp	160,000	8,440,000
Tele-Communications, Class A	265,000 (b)	8,016,250
Time Warner	390,000	17,257,500
Viacom, Class B	110,000 (b)	4,936,250
		<u>46,907,125</u>

Metals (1.3%)		
Nucor	130,000	6,890,000

Natural Gas (2.1%)		
Enron	284,000	8,236,000
Enron Oil & Gas	73,000	2,847,000
		<u>11,083,000</u>

Restaurants & Lodging (4.0%)		
Brinker Int'l	337,500 (b)	15,525,000
Wendy's Int'l	340,000	5,907,500
		<u>21,432,500</u>

Retail (5.7%)		
Home Depot	280,000	11,060,000
J.C. Penney	140,000	7,332,500
Office Depot	200,000 (b)	6,725,000
Wal-Mart Stores	215,000	5,375,000
		<u>30,492,500</u>

Telecommunications Equipment & Services (8.2%)		
Cisco Systems	323,200 (b)	20,886,800
General Instrument	52,000 (b)	2,918,500
Motorola	175,000	16,165,625
Scientific Atlanta	85,000	2,805,000
SynOptics Communications	36,800 (b)	1,025,800
		<u>43,801,725</u>

PAGE 17

Issuer	Shares	Value (a)
Utilities -Telephone (6.1%)		
McCaw Cellular	150,000 (b)	7,575,000
MCI Communications	304,600	8,604,950
Pacific Telesis	159,000	8,586,000
U.S. West	176,000	8,074,000

Total Common Stocks (90.4%)
 (Cost: \$336,007,383) \$483,404,393

PAGE 18

Short-term Securities

Issuer	Annualized Yield on Date of Purchase	Principal Amount	Value (a)
U.S. Government & Agency (2.2%)			
Federal Home Loan Bank, 01-25-94.	3.20%	\$3,250,000	\$ 3,243,110
FNMA, 01-28-94.	3.35	3,400,000	3,391,636
U.S. Treasury Bills, 02-10-94.	3.44	5,000,000	4,981,528
			11,616,274

Banker's Acceptance (0.3%)			
Republic National Bank NY, 01-05-94.	3.27	1,500,000	1,499,463

Commercial Paper (7.5%)			
CPC International, 02-11-94.	3.26	2,450,000 (c)	2,440,932
Commerzbank, 04-04-94.	3.33	1,400,000	1,388,101
Eiger Capital 01-13-94.	3.33	2,011,000	2,008,775
01-19-94.	3.23	5,700,000	5,690,794
01-28-94.	3.27	900,000 (c)	897,793
GE Capital, 03-25-94.	3.38	1,600,000	1,587,642
Michigan Consolidated, 01-14-94.	3.30	1,700,000	1,698,005
Mobil Australia, 01-27-94.	3.28	5,600,000 (c)	5,586,775
Nat'l Australia Funding, 01-28-94.	3.30	5,000,000	4,987,625
St. Paul Companies, 01-20-94.	3.30	2,200,000	2,196,180
Societe Generale NA, 01-12-94.	3.30	3,200,000	3,196,822
Toyota Motor Credit, 01-04-94.	3.18	900,000	899,761
USAA Capital 01-12-94.	3.33	375,000	374,620
01-21-94.	3.28	1,900,000	1,896,590
01-27-94.	3.28	2,700,000	2,693,701
01-27-94.	3.28	2,600,000	2,593,935
			40,138,051

PAGE 19

Total Short-term Securities (10.0%)
 (Cost: \$53,253,788 \$ 53,253,788

Total Investments in Securities (100.4%)
 (Cost: \$389,261,171 (e) \$536,658,181

Notes to Investments in Securities

- (a) Securities are valued by procedures described in Note 1 to the financial statements.
 (b) Presently non-income producing.
 (c) Commercial paper sold within terms of a private placement

memorandum, exempt from registration under section 4.2 of the Securities Act of 1933, as amended, and may be sold only to dealers in that program or other "accredited investors." These securities have been determined to be liquid under guidelines established by the Board of Managers.

(d) Represents security sold under Rule 144A and is exempt from registration under the Securities Act of 1993, as amended. This security has been determined to be liquid under guidelines established by the Board of Managers.

(e) At Dec. 31, 1993, the cost of securities for federal income tax purposes was \$389,261,171 and the aggregate gross unrealized appreciation and depreciation based on that cost was:

Unrealized appreciation.	\$153,792,335
Unrealized depreciation.	(6,395,325)
<hr/> Net unrealized appreciation	<hr/> \$147,397,010

PAGE 20

Managers and Officers

Board of Managers

Richard W. Kling
executive vice president, marketing and products, director, IDS Life Insurance Company

Carl N. Platou
president emeritus, Fairview Hospital and Healthcare Services

Edward Landes
retired, former development consultant

James A. Mitchell
president and chief executive officer, director, IDS Life Insurance Company

Gordon H. Ritz
president, Con Rad Broadcasting Corp.

Principal Officers

James A. Mitchell
chairman of the board and president

Louis C. Fornetti
vice president

Morris Goodwin, Jr.
vice president and treasurer

Robert O. Schneider
controller

Colleen C. Harvey
secretary

Additional Information

The investment objective of IDS Life Variable Annuity Fund B is to invest in securities which offer opportunities for long-term capital appreciation consistent with accumulating Fund value and providing annuity payments under variable annuity contracts issued by IDS Life.

There is a sales and administrative charge to the contract owner included in the purchase payment.

This report is for the information of contract owners of IDS Life Variable Annuity Fund B but it may be used as sales literature when preceded or accompanied by the current prospectus. For details and other material information, see the current prospectus.

PAGE 21

Issuer and Investment Manager:
IDS Life Insurance Company,

Minneapolis, Minn.

Custodian:
IDS Band & Trust,
Minneapolis, Minn.

Sub-Custodian:
First Bank National Association
St Paul, Minn.

1993 ANNUAL REPORT

IDS Life Variable Annuity Fund B

IDS Life Insurance Company
IDS Tower 10
Minneapolis, Minnesota 55440-0010