

Advisory Board Presentation
AIM XXXVII
Fall 2013

## AIM XXXVII Analysts

## Eric An

Diamond Bar, CA
CarMax, United Natural Foods

## Javon Bea

Rochester, MN
Cummins, Sunstone Hotel Investors

## Jason Bergstrand

Granger, IN
Select Comfort, Craft Brew Alliance

## Robert Besio

Hinsdale, IL
IPG Photonics, Tesla

## Tyler Bliha

Niles, MI
InterActiveCorp, LeapFrog Enterprises

## Douglas Boyd

Fort Lauderdale, FL
Cinemark, Apache

## Cameron Breisch

Edwardsburg, MI
Intel, bluebird bios

## Logan Britt

Minnetonka, MN
Teradata, Netflix

## Eric Ciura

Palatine, IL
Apollo Group, Roundy's

## Julie Comfort

La Grange, IL
Titan Machinery, J\&J Snack Foods

## Steven Feczko

Butler, PA
UnitedHealth, Autodesk

## Nicole Gantz

Wisconsin Dells, WI
Delphi Automotive, DSW

## John Garry

St. Paul, MN
ConAgra Foods, Orbital Sciences

## Elizabeth Garvin

Naperville, IL
Bank of Internet, Estee Lauder

## Brandon Hall

Minneapolis, MN
Activision Blizzard, Lifeway Foods

## Turner Harty

Minneapolis, MN
Coach, Costco

## Kathryn Lill

Arlington Heights, IL
Wynn Resorts, SodaStream

Sean McKelvey
Hazlet, NJ
Microsoft, Manchester United

Matthew Menker
Dayton, OH
Corning, Buffalo Wild Wings

Michael Nettesheim
Milwaukee, WI
Apple, Rockwell Automation

## Patrick 0'Brien

Malverne, $N Y$
DiamondRock Hospitality, Whole Foods

## Ben O'Neill

Plano, TX
Google, Pixelworks

Thomas O'Sullivan
Woodridge, IL
Joseph A. Bank, Cott Corporation

## Kyle Patel

Chino Hills, CA
Expeditors International, Covanta

Clayton Pauls
Overland Park, KS
Caterpillar, Dollar Tree

Nicolette Puckett
Fort Lauderdale, FL
Ecolab, PetMed Express

Jacqueline Rose
Northbrook, IL
Gilead Sciences, Vitamin Shoppe

Robert Wahl
Lexington, $K Y$
Potash, Energy Recovery

## 



## Agenda



Presentation Topics

- Objectives and Guidelines
- Economic Environment
- Security Analysis
- Portfolio Performance Evaluation
- General Information

Concluding Remarks
Advisory Board Panel

## Objectives and Guidelines



Overview

Individual Responsibilities
Group Responsibilities
Stock Selection Process
Investment Philosophy
Investment Policies
Market Capitalization Profile
Ethics Policies

## AIM Overview

- Course Overview
- Provide analysts with a thorough grounding in portfolio management and equity valuation
- Combine theory with hands-on experience
- Analyst Selection
- Selection based on academic record and diverse backgrounds
- Analysts assume responsibilities for all portfolio management decisions


## Individual Responsibilities

- Each analyst covers two companies
- First round: analysts assigned a stock from current portfolio
- Second round: analysts select a second stock of interest
- For each company, analysts produce and present the following reports
- Company overview
- Fundamental analysis
- Industry report
- EPS forecast
- Technical analysis
- Valuation and final recommendation


## Group Responsibilities

## Portfolio Performance Analysis

- Benchmark performance comparisons
- Risk-adjusted performance measures
- Attribution analysis


## Newsletter Group

- Comprehensive summary of various AIM endeavors
- Provides trip and alumni updates


## Economic Analysis

- Recent trends and expectations of key economic indicators
- Impact on the stocks in the current portfolio


## Trading Group

- Coordinates trading activities for the portfolio
- Works closely with the Notre Dame Investment Office


## Stock Selection Process

- Analysts discuss inputs, drivers, and assumptions
- Analysts give buy, hold, or sell recommendations based on an intrinsic valuation
- Final portfolio decisions are voted upon and require majority vote of all analysts


## Investment Philosophy

- Identify undervalued stocks
- Outperform the S\&P 500, Russell 2000, and HBI indices
- Bottom-up approach through fundamental analysis
- Diversify between small-, mid-, and large-cap stocks


## Investment Policies

- Long only common equities listed on major U.S. exchanges
- Prefer sufficiently liquid stocks
- Three to five year investment horizon
- Adhere to the "Prudent Person Rule"


## Investment Policies, cont.

- No tax considerations
- No individual position exceeding $10 \%$ of the portfolio
- 0\% long-term cash target
- Allocation Targets
- 35\% in small/mid-cap
- 65\% in large cap
- +/-10\%
$-<1 \%$ in long/short industry position


## 

AIM XXXVI Portfolio Composition*


■ Large Cap ■ Mid Cap ■ Small Cap
*Upon inheritance 5/5/2013

AIM XXXVII Portfolio Composition**


[^0]
## Ethics Policies

Avoid companies "whose values are inimical with those of the University"

- Including (but not limited to):
- Tobacco
- Abortifacients
- Birth control


## Economic Environment



GDP
Housing
Currency
Unemployment
Inflation
Monetary Policy
Fiscal Policy
Outlook
Portfolio Impact

## Growth is weak over the last four years


$-4 \%$

QoQ Real GDP Growth


- Post-recession growth tepid
- Personal consumption weak from high unemployment
- Stagnation in Eurozone
- Uncertainty from poor fiscal policy


## Growth Projections

## Higher growth is expected by 2015



## GDP Breakdown

 Investment has contributed to GDP growth since recession

## Personal Consumption

 Increasing since 2009 but below long-term average

## Consumption Drivers

 Wealth increasing yet spending weakeningTotal Household Net Worth
80


Real Disposable Income per Capita Annual Growth
7\%


## Consumption Drivers

Consumer Sentiment is recovering but below average


## Government Expenditures <br> 田的versityor NOTRE DAME

 Government looking to cut costs

## Business Investment

## Investment growth slow, below where it should be

Business Capex and Expenditures on Equipment and Software Growth


## Housing Sector

Strong demand has led to price recovery


## Recent Price Increases

Prices for single-family homes climbed in Q3

- Double-digit growth in $33 \%$ of areas
- Median price for existing home sales rose $12.5 \%$ Y-o-Y


## Index Drivers:

- Tight Supply:
- Low contracts to buy existing homes
- Lack of Distressed Sales
- Largely been exhausted by investors
- Measurement Method
- Case-Shiller inclusion of REO appreciation


## Housing Sector



- Total existing home sales fell 3.2\% in Oct.
$-\quad 5^{\text {th }}$ consecutive decline
- Low inventory holding back sales and pushing prices up
- Median price up 12\% YoY
- Declining Housing Affordability
- Home price growth outpaced income growth
- Increasing rates pushing up cost of borrowing


## Housing Sector

## Cost of borrowing expected to rise



- Mortgage rates expected to rise in long run as QE eventually winds down
- 30 year mortgage rate $4.48 \%$ as of December 4, 2013, up from near-record low of 3.35\% in May


## Housing Sector

Housing expected to continue rising at a slower pace

| Current Status: | - Constrained inventory of existing homes for sale (supply driven price increase) <br> - High demand as buyers try to lock in rates |
| :---: | :---: |
| Trend: | - Rising borrowing costs <br> - Weak affordability (some buyers deterred in near term) <br> - Reduced excess demand |
| Outlook: | - Borrowing cost will continue to increase ( $\sim 5 \% 30$-year fixed predicted) <br> - Lack of refinancing will increase borrower access to mortgages <br> - Newly constructed homes will relieve inventory pressure/price growth <br> - Slower growing, single-digit price growth rate in 2014 <br> - Increasing inventory will increase total sales and moderate price growth in 2014 |

## Currency

Dollar has generally weakened over the past decade

## USD/EUR Exchange Ratio



## Currency

## Dollar has generally weakened over the past decade

## USD/CNY Exchange Ratio



Currency
Dollar is poised to strengthen

- Safe-haven currency: generally strengthens as global economy worsens
- Recent positive movement on good news (i.e. improving manufacturing/real economic activity)
- Potential structural shift for the currency
- Tapering expectations are strengthening dollar
- Easy money and weak economies have weakened the Euro and Yuan


## Unemployment

## Steadily decreasing over last few years



## Unemployment

 Lengthening unemployment duration a major concern

## Unemployment <br> Projected to continue on current trend

## Federal Reserve Unemployment Rate Projections



# Unemployment Takeaways 

 Wages increasing, people slightly better off

## Unemployment Summary

- AIM expects unemployment to remain at $7.0 \%$ by the end of the year, and $6.6 \%$ by the end of 2014


## Areas of Concern

- Business investment:
- Business investment hasn't fully recovered and businesses aren't hiring due to uncertainty
- Large gap between official unemployment and $U-6$ rate
- Underemployment
- Discouraged workers


## Historical Inflation

Inflation below the Federal Reserve 2\% target


## Inflation Projections

Target rate unlikely in near future

Federal Reserve PCE Inflation Projections


## Inflation Takeaways

## Slow inflation recovery to Fed target



## Inflation Summary

- Stable commodity prices and slack in the labor and product markets cause the low inflation rate
- AIM expects inflation at $1.4 \%$ by the end of 2014


## Areas of Concern

- Low inflation rate:
- Inflation consistently below the $2 \%$ objective could pose risks to economic performance
- High inflation rate:
- Disrupted consumer expectations and reduced public ability to make accurate longer-term economic and financial decisions


# Monetary Policy 

## Still far from desired targets

## Unemployment

6.5\%

Currently - 7\%

Long-Term GDP Growth

$$
2.3-2.6 \%
$$

Currently Quarterly Rate - 3.6\%

## Inflation

2\%

Currently - $1.2 \%$

Driven by dual mandate

- Unemployment reduction is main priority
- Have connected taper to "continued market improvement"


# Monetary Policy 

 No major changes to tapering plans
## October $30^{\text {th }}$ Fed Meeting

- Economic activity has continued to "expand at a moderate pace"
- No change to asset purchase program
- Did not take possibility of a December adjustment to the bond-buying program off the table


## Why?

- Financial conditions improving, but awaiting more evidence of sustainable economic growth - particularly in unemployment


## Future Plan

- Asset purchases remain contingent on economic outlook
- Highly accommodative monetary policy to continue after tapering


# Monetary Policy 

## Janet Yellen

- Long time Fed director and dove


## Stance on Current Economy

- "Unemployment is still too high, reflecting a labor market and an economy performing far short of their potential." - Janet Yellen


## Future Plan

- "Let's make sure that policy remains accommodative for a longer rather than shorter period of time in order to give the real economy time to adjust."
- Janet Yellen
- Given weakness in GDP and employment numbers, coupled with deflation concerns tapering will likely begin in the late Q2, early Q3 of 2014
- Short term rates remain low until late 2015


## Fiscal Policy

Government Shutdown Result

- S\&P estimated shutdown shaved 0.6\% off Q4 GDP
- Furthered distrust of Congress and damaged international credibility
- Democrats largely got what they wanted out of deal
- Debt cushion now extends through Feb. 7th


## Must Act Quickly Moving Forward

- Formed budget conference committee to plan fiscal 2014 to replace sequester cuts
- Two meetings of committee have yielded no progress
- Mostly divided on tax revenues and entitlement programs
- Next meeting (Dec. $13^{\text {th }}$ ) is deadline for plan as to how to fund government past Jan. 15th

Bipartisan deadlock remains a concern that will set the tone for 2014

## AIM Outlook

|  | 2013 | 2014 |
| :--- | :---: | :---: |
| GDP | $2 \%$ | $2.3 \%$ |
| U.S. Dollar | Appreciate | Appreciate |
| Unemployment | $7.0 \%$ | $6.6 \%$ |
| Monetary Policy (Tapering) | No | Late Q2, Early Q3 |
| Inflation | $1.2 \%$ | $1.4 \%$ |

## Impact on Portfolio

## Consumption \& Unemployment

- Low growth in consumption and disposable income
- Strong Q3 job creation

Affected:

- Apple
- Activision Blizzard
- Cott
- Estee Lauder
- Google
- Joseph A. Bank
- Pixelworks
- Select Comfort


## Investment

- Slowly increasing investment in software and CapEx

Affected:

- Cummins
- IPG Photonics
- Rockwell Automation
- Teradata


## U.S. Dollar

- Appreciation of dollar against major world currencies

Affected:

- Apple
- Apache
- Corning
- Cummins
- Cott
- Estee Lauder
- Expeditors
- Google
- Microsoft
- Potash
- Pixelworks


## Interest Rates \& Housing

- Increased interest rates due to tapering
- Slower housing growth in 2014

Affected:

- Cummins
- DiamondRock
- Delphi
- Select Comfort


## Security Analysis



Overview
Company / Industry Overview
Fundamental Analysis
Earnings Forecast
Beta / WACC
Multiples Valuation
Discovery
Free Cash Flow Valuation
Technical Analysis
Special Circumstance

## Security Analysis

| Stock | Analyst | Focus |
| :--- | :--- | :--- |
| SodaStream | Katie Lill | Company / Industry |
| Cott Corporation | Tom O'Sullivan | Fundamental Analysis |
| Coach | Turner Harty | Earnings Forecast |
| Rockwell Automation | Michael Nettesheim | Beta / WACC |
| Buffalo Wild Wings | Matthew Menker | Multiples Valuation |
| Vitamin Shoppe | Jackie Rose | Discovery |
| Tesla Motors | Bob Besio | Free Cash Flow Valuation |
| Estee Lauder | Liz Garvin | Technical Analysis |
| Lifeway Foods | Brandon Hall | Special Circumstance |

## 



## SodaStream Overview

- Manufacturer of home beverage carbonation systems
- Transform tap water into soft drinks and other beverages
- Convenient, customizable, and environmentally conscious
- Global presence spans all regions
- Strong American revenue growth





## Company/Industry Analysis

## SodaStream Competitive Analysis



## Valuation and Thesis

| Recommendation - BUY |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Valuation Method | Weight |  | Valuation |  |  | Contribution

## Investment Thesis:

- Strong growth potential from U.S. penetration, ad campaign, and new production facility
- Product's cost savings and stickiness are in question -could prove to be a fad
- Analyst group identified other superior investment opportunities


## Cott Corporation (COT)



Headquarters: Quebec, Canada CEO: Jerry Fowden

Price (12/3/2013): \$8.40

1-year Forward P/E: 26.33

Market Cap: \$792M

Dividend Yield:
2.70\%

LTM EPS:
\$0.32

## COT: One Year Price Chart



Focus: Fundamental Analysis

## Cott Corporation Overview

- Beverage producer on behalf of retailers, brand owners and distributors
- Leading private-label position
- 33 manufacturing facilities throughout the US, Canada and Mexico
- Diminishing product and customer concentration



## 2012 Revenues



## Business Risk - Low

## Sales Volatility




## 

- On November 15, Cott redeemed \$200M of \$215M 2017 Notes
- Will redeem remaining $\$ 15 \mathrm{M}$ in 2014
- Significantly reduces Financial Risk
- Expected to decrease 2014 interest expense \$13M



Total Debt to Capital
Times Interest Earned


## ROE - DuPont Analysis





Capital Turnover



## Valuation and Thesis

| Recommendation - BUY |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Valuation Method | Weight |  | Valuation |  |  |  |  |

## Investment Thesis:

- Product and Customer diversification further decrease already low Business Risk
- \$200M Redemption of \$215M 2017 Notes substantially and immediately increases profitability and financial security


## Coach (COH)

## onversitrop NOTRE DAME



## Focus: EPS Forecast

## Coach Overview

Coach is a leading retailer in the affordable luxury subsector focusing on the sale of handbags, footwear, jewelry, fragrances and other accessories


## 

- Revenues projected from three reportable geographic segments
- North America and Japan expected to grow in low single digits
- Other International growth decreases from $30 \%$ to $15 \%$ over forecasting period
- COGS as a \% of Revenue increases
- Effective tax rate decreases as international sales increase
- Shares outstanding continues historic rate of decline



## EPS Forecast: Results

## EPS History and Estimates




## Valuation and Thesis

| Recommendation - SELL |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Valuation Method | Weight |  | Valuation |  |  |  |  |

## Investment Thesis:

- North American brand image deteriorating
- Growth in China isn't enough reason to buy Coach
- Coach's large cash position will continue to be invested in stores with questionable prospects


## Rockwell Automation

## Rockwell Automation

Headquarters: Milwaukee, WI
CEO: Keith Nosbusch

Price (12/3/2013): $\quad \$ 111.16$
1 -year Forward P/E: $\quad 17.8$

Market Cap:
Dividend Yield: $\quad 2.35 \%$
LTM EPS:


Focus: Beta / WACC

## ROK Overview

## Overview

- Architecture \& Software: Hardware, software and communications components
- Control Products \& Solutions: Intelligent motor and industrial controls
- Serves transportation, oil and gas, metals, mining, food and beverage and life sciences markets
- Main product is Logix architecture



Revenue by Geography


## ROK Beta and WACC

| Regression Results |  |  |  | Comparison |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Monthly | Weekly | Daily | Weighted Average |  | 1.33 |  |
| Predicted Beta | - 1.74 | 1.43 | 1.43 | Other Estimates |  |  |  |
| R ${ }^{2}$ | 0.54 | 0.62 | 0.64 | Google Finance |  | 1.57 |  |
| Adjusted Beta |  |  |  | Yahoo Finance |  | 1.35 |  |
| Merrill | 1.49 | 1.28 | 1.29 | Value Line |  | 1.25 |  |
| Value Line | 1.50 | 1.29 | 1.29 | Final Forecast |  | 1.33 |  |
| Average | 1.49 | 1.29 | 1.29 | Rationale: Weighted average in-line with other estimates and consistent with fundamental risk analysis |  |  |  |
| Weight Applie | d $20 \%$ | 30\% | 50\% |  |  |  |  |  |  |
| - Weighted Average = 1.33 |  |  |  |  |  |  |  |  |  |
| WACC Calculation |  |  |  |  |  |  |  |
| (\$ in millions) |  |  |  |  |  |  |  |
| Total Debt | After Tax Cost of Debt |  | Total Equity | $\begin{gathered} \text { Cost of Equity } \\ (3 \%+\text { Beta x } 5 \%) \end{gathered}$ | Debt + Equity | Tax Rate | WACC |
| \$1,946 | 3.6\% |  | \$2,148 | 9.6\% | \$4,094 | 25\% | 6.8\% |

## Valuation and Thesis

## Recommendation - BUY

| Valuation Method | Weight |  | Valuation |  | Contribution |
| :--- | :---: | :---: | :---: | :---: | :---: |
| FCF Value/Share | $45 \%$ | $\$$ | 140.19 | $\$$ | 63.08 |
| DDM Analysis | $25 \%$ | $\$$ | 176.41 | $\$$ | 44.10 |
| Price/Earnings Multiple | $10 \%$ | $\$$ | 116.29 | $\$$ | 11.63 |
| Price/Rev Multiple | $10 \%$ | $\$$ | 91.09 | $\$$ | 9.11 |
| EV/EBITDA Multiple | $10 \%$ | $\$$ | 107.66 | $\$$ | 10.77 |
| Final Valuation |  |  | $\$$ | 138.69 |  |
| Market Price $(11 / 20 / 13)$ |  |  | $\$$ | 110.96 |  |
| Estimated Upside/(Downside) |  |  |  | $\mathbf{2 5 \%}$ |  |

## Investment Thesis:

- Wide economic moat and sustainable competitive advantage
- Increasing need for automation
- Growth opportunities from investment spending in U.S., Europe, and emerging markets


## 



Headquarters: Minneapolis, MN CEO: Sally Smith

Price (12/3/2013): $\quad \$ 149.54$
1-year Forward P/E: $\quad 33.4$
Market Cap: \$2.8 B
Dividend Yield:
LTM EPS:
\$3.60

Focus: Multiples Analysis

## BWLD Overview

- Owner, operator, and franchisor of Buffalo Wild Wings brand
- Wings. Beer. Sports.
- 16 proprietary wing sauces
- 30+ beers on tap
- 50+ TV screens
- Tremendous growth story
- 2003 (IPO)
- 245 restaurants
- $\$ 126 \mathrm{M}$ in revenue
- Current
- 949 restaurants (Q3 2013)
- $\$ 1.04$ B in revenue (FY 2012)
- Goal of 1,700 domestic locations \& 300 foreign locations




## Multiples Valuation

- Utilized Implied Forward P/E and Implied Forward P/S multiples
- Compared with high growth companies \& Bloomberg US Full Service Restaurant Index
- Chipotle, Panera Bread, and Red Robin Gourmet Burgers




## Valuation and Thesis

| Recommendation - DO NOT BUY |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Valuation Method | Weight |  | Valuation |  | Contribution |
| FCF Value / Share | $40 \%$ | $\$$ | 121.45 | $\$$ | 48.58 |
| Forward P/E Multiple | $30 \%$ | $\$$ | 133.09 | $\$$ | 39.93 |
| Forward P/S Multiple | $30 \%$ | $\$$ | 143.90 | $\$$ | 43.17 |
| Final Valuation |  |  | $\$$ | 131.68 |  |
| Market Price (11/20/13) |  |  | $\$$ | 150.22 |  |
| Estimated Upside/(Downside) |  |  |  | $\mathbf{( 1 4 . 1 \% )}$ |  |

## Investment Thesis:

- Strong company with significant growth prospects and focused brand
- Low FCF generation due to high CAPEX aligning with expansion
- Rapid multiples expansion beyond industry and historic averages
- Recent price run-up eliminated profit making opportunity


## Vitamin Shoppe (VSI)




Focus: Discovery

## Vitamin Shoppe Overview

## Overview

- Specialty retailer of nutritional products
- Two sales channels - retail stores and direct
- Founded - 1977
- Company stores - 631
- 42 states, DC, Puerto Rico, Ontario

Products

- Vitamins and minerals
- Herbs and homeopathy
- Specialty supplements
- Sports nutrition




## Discovery

- Testing new, smaller store format
- New model likely to be implemented in future store growth
- Allows VSI to more completely and effectively saturate existing market opportunities

| Current Number of Stores | Age | Assumed Sales per Store 2012 | Total Sales per Traunch 2012 | Salesper ft2 |
| :---: | :---: | :---: | :---: | :---: |
| 51 | Year 1 | \$690,000 | \$35,190,000 | \$192 |
| 44 | Year 2 | 852,150 | 37,494,600 | 237 |
| 46 | Year 3 | 997,016 | 45,862,713 | 277 |
| 37 | Year 4 | 1,110,000 | 41,070,000 | 308 |
| 60 | Year 5 | 1,187,700 | 71,262,000 | 330 |
| 341 | Over 5 | 1,815,521 | 619,092,687 | 504 |
| Total |  |  |  | 1 Assumes avg sq |
| 579 |  |  | \$849,972,000 | ft of 3600/store |



## Revenue Build

| STORES | 2013 | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 5}$ | 2016 | 2017 | 2018 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Maturity Phase | 81 | 55 | 55 | 55 | 55 | 55 |
| Year 1 | 51 | 81 | 55 | 55 | 55 | 55 |
| Year 2 | 44 | 51 | 81 | 55 | 55 | 55 |
| Year 3 | 46 | 44 | 51 | 81 | 55 | 55 |
| Year 4 | 37 | 46 | 44 | 51 | 81 | 55 |
| Year 5 | 401 | 438 | 484 | 528 | 579 | 660 |
| Mature Stores | $\mathbf{6 6 0}$ | $\mathbf{7 1 5}$ | $\mathbf{7 7 0}$ | $\mathbf{8 2 5}$ | $\mathbf{8 8 0}$ | $\mathbf{9 3 5}$ |
| Total Number of Stores |  |  |  |  |  |  |


| Store Size Matrix (ft2) | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Year 1 | 3600 | 3000 | $\mathbf{3 0 0 0}$ | 3000 | $\mathbf{3 0 0 0}$ | $\mathbf{3 0 0 0}$ |
| Year 2 | 3600 | 3600 | 3000 | 3000 | 3000 | 3000 |
| Year 3 | 3600 | 3600 | 3600 | 3000 | 3000 | 3000 |
| Year 4 | 3600 | 3600 | 3600 | 3600 | 3000 | 3000 |
| Year 5 | 3600 | 3600 | 3600 | 3600 | 3600 | 3000 |
| Mature Stores | 3600 | 3600 | 3600 | 3600 | 3600 | 3600 |
| Average Store Size | $\mathbf{3 6 0 0}$ | $\mathbf{3 5 0 0}$ | $\mathbf{3 4 0 0}$ | $\mathbf{3 3 0 0}$ | $\mathbf{3 2 0 0}$ | $\mathbf{3 1 0 0}$ |


| Average Sales per ft2 | $\mathbf{2 0 1 3}$ |  | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 6}$ | $\mathbf{2 0 1 7}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Year 1 | $\$ 192$ | $\mathbf{\$ 1 9 4}$ | $\mathbf{\$ 1 9 6}$ | $\mathbf{\$ 1 9 8}$ | $\$ 200$ | $\$ 202$ |
| Year 2 | 237 | 239 | 241 | 244 | 246 | 249 |
| Year 3 | 277 | 280 | 283 | 285 | 288 | 291 |
| Year 4 | 308 | 311 | 315 | 318 | 321 | 324 |
| Year 5 | 330 | 333 | 337 | 340 | 343 | 347 |
| Mature Stores | 514 | 525 | 535 | 546 | 557 | 568 |
| Average Store Sales | $\mathbf{\$ 3 1 0}$ | $\mathbf{\$ 3 1 4}$ | $\mathbf{\$ 3 1 8}$ | $\mathbf{\$ 3 2 2}$ | $\mathbf{\$ 3 2 6}$ | $\mathbf{\$ 3 3 0}$ |

- Primary revenue driver involves number of new stores opened each year coupled with increasing sales through store maturity
- 55 new stores per year beginning in 2014
- Assumed openings occurred half way through the year
- Average new store size decreases from 3,600 ft2 to 3,000 ft2
- Conservative $2 \%$ same store sales growth rate for mature stores

| Net Sales by Maturity Tranche (mm) | $\mathbf{2 0 1 3}$ | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 6}$ | $\mathbf{2 0 1 7}$ | $\mathbf{2 0 1 8}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Year 1 | $\$ 28$ | $\$ 16$ | $\$ 16$ | $\$ 16$ | $\$ 16$ | $\$ 17$ |
| Year 2 | 43 | 70 | 40 | 40 | 41 | 41 |
| Year 3 | 44 | 51 | 82 | 47 | 48 | 48 |
| Year 4 | 51 | 49 | 58 | 93 | 53 | 53 |
| Year 5 | 44 | 55 | 53 | 62 | 100 | 57 |
| Mature Stores | 743 | 827 | 932 | 1038 | 1161 | 1349 |
| Sales | $\$ 953$ | $\mathbf{\$ 1 , 0 6 9}$ | $\$ 1,182$ | $\$ 1,296$ | $\$ 1,418$ | $\$ 1,566$ |
| \% growth | $12.1 \%$ | $12.2 \%$ | $10.6 \%$ | $9.7 \%$ | $9.4 \%$ | $10.4 \%$ |

## Valuation and Thesis

## Recommendation - DO NOT BUY

| Valuation Method | Weight |  | Valuation |  | Contribution |
| :--- | :---: | :--- | :---: | :---: | :---: |
| FCF Value / Share | $70 \%$ | $\$$ | 46.73 | $\$$ | 32.71 |
| Price/Earnings Multiple | $15 \%$ | $\$$ | 51.03 | $\$$ | 7.65 |
| EV/EBITDA Multiple | $10 \%$ | $\$$ | 52.74 | $\$$ | 5.27 |
| Price/Book Multiple | $5 \%$ | $\$$ | 51.21 | $\$$ | 2.56 |
| Final Valuation |  |  |  | $\$$ | 48.20 |
| Market Price $(11 / 20 / 13)$ |  |  | $\$$ | 54.05 |  |
| Estimated Upside/(Downside) |  |  |  | $\mathbf{1 2 . 1 \% )}$ |  |

## Investment Thesis:

- Stock was getting hit all year, thought it was undervalued
- Believe in the growth story, a lot of opportunity domestically and internationally
- Analysts were waiting for some kind of signal that the company was still a safe investment, got this after Q3 earnings


## Tesla Motors (TSLA)



Headquarters: CEO:
Price (12/6/2013):
1-year Forward P/E:

Market Cap:
Dividend Yield:
LTM EPS:
(\$1.06)
TESLA MOTORS


Palo Alto, CA Elon Musk \$137.36 91.57 \$16.84B



## Focus: Discounted Cash Flow Valuation

## Tesla Motors Overview

- Manufacturer of electric vehicles and drivetrain components
- Produces luxury sedans with new models planned in 2014 and 2016
- Primary revenue streams include vehicle sales, regulatory credit sales, and work completed for other Original Equipment Manufacturers (OEMs)



## Model Lineup



Model X
Model Year


Average Price
\$60,000-\$80,000

Generation III

| Model Year | $2016 e$ |
| :--- | ---: |
| Average Price | $\$ 30,000-\$ 40,000$ |

## 






## DCF Analysis - Assumptions

- Balance sheet peculiarities
- Warranty accounting
- Reservation payments
- Operating lease vehicle asset



## Valuation and Thesis

| Recommendation - BUY |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Valuation Method | Weight |  | Valuation | Contribution |  |
| Price / Sales | $10 \%$ | $\$$ | 118.29 | $\$$ |  |
| Price / Book | $10 \%$ | $\$$ | 116.57 | $\$$ |  |
| DDM Analysis | $10 \%$ | $\$$ | 116.58 | $\$$ |  |
| DCF (Battery Plant) | $10 \%$ | $\$$ | 144.81 | $\$$ |  |
| DCF | $60 \%$ | $\$$ | 133.68 | $\$$ |  |
| Final Valuation |  |  | 14.66 |  |  |
| Market Price (11/22/2013) |  |  | $\$ 0.21$ |  |  |
| Estimated Upside/(Downside) |  |  | $\$$ | 129.83 |  |

## Investment Thesis:

- Potentially disruptive technology with room for rapid sales growth as customers recognize the electric car as a proper substitute
- Able to maintain higher gross and net margins than the industry due to control of sales and manufacturing channels


## 



Focus: Technical Analysis

## EL Companies Overview

- Founded in 1946 by Estée and Joseph Lauder
- Products are sold in over 150 countries
- Growth through strategic acquisitions and partnerships with compatible brands


Revenue and Margin Growth by Segment


- FY2013: \$10.2B Sales, \$1.02B Earnings
- Main growth overseas \& skin care segment
- CEO's goal: utilize production and distribution efficiencies for cost reduction


## Technical Analysis



## Relative Strength: Buy

- Examines performance of a stock relative to a market index


## Moving Averages: Buy

- Provides smoothed indicators of the overall trend of prices


## Technical Analysis



Support \& Resistance: Buy

- Breaking through a channel would strongly indicate a change in direction of the price


## Technical Analysis



## Valuation and Thesis

| Recommendation - BUY |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Valuation Method | Weight |  | Valuation |  |  |

## Investment Thesis:

- Growth in most profitable segments (international and skin care), along with 2014 conclusion of EL's Strategic Modernization Initiative $\rightarrow$ lower restructuring expenses
- Strong and growing brand loyalty; business has been proven leader in the industry for seven decades


## Lifeway Foods (LWAY)


Headquarters: Morton Grove, IL

| CEO: | Julie Smolyansky |
| :--- | ---: |
|  |  |
| Price (12/3/2013): | $\$ 14.33$ |
| 1-year Forward P/E: | 31.63 |
| Market Cap: | $\$ 240 \mathrm{M}$ |
| Dividend Yield: | $0.50 \%$ |
| LTM EPS: | $\$ 0.40$ |

Focus: Special Circumstance

## Lifeway Foods Overview

- Manufacturer of probiotic, cultured kefir and other dairy products
- Kefir is most similar to a drinkable yogurt
- Nationwide distribution through Whole Foods, Walmart, and Target
- Acquired Golden Guernsey Dairy Plant in May 2013



## Valuation and Thesis

| Recommendation - BUY |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Valuation Method | Weight |  | Valuation |  |  |
| Contribution |  |  |  |  |  |
| Discounted Cash Flow | $20 \%$ | $\$$ | 17.62 | $\$$ |  |
| DCF (with Acquisition) | $20 \%$ | $\$$ | 20.58 | $\$ .52$ |  |
| Acquisition | $15 \%$ | $\$$ | 18.55 | $\$$ |  |
| Forward P/E Multiple | $10 \%$ | $\$$ | 19.66 | $\$ .12$ |  |
| EV/EBITDA Multiple | $10 \%$ | $\$$ | 15.51 | $\$$ |  |
| Price/Sales Multiple | $10 \%$ | $\$$ | 18.26 | $\$$ |  |
| Price/BV Multiple | $10 \%$ | $\$$ | 19.97 | 1.55 |  |
| Dividend Discount Model | $5 \%$ | $\$$ | 20.04 | $\$$ |  |
| Final Valuation |  |  |  | 1.83 |  |
| Market Price (11/20/13) |  |  |  | $\$$ |  |
| Estimated Upside/(Downside) |  |  |  | 18.00 |  |

## Investment Thesis:

- Differentiated, niche company in a growing industry
- Overlooked by Wall Street for more trendy organic food companies
- Tremendous growth opportunity - distribution and international expansion


## Special Circumstance

- The AIM Portfolio takes a \$300,000 - \$400,000 position in each stock
- Three Month Median Daily Dollar Volume for LWAY is only $\$ 200,618$
- Lack of liquidity could potentially eliminate much of the estimated upside
- Analysts decided the liquidity risk was too high to add to the portfolio


## LWAY: Liquidity Concerns



## Portfolio Performance

Historical Performance<br>Attribution Analysis<br>Risk-Adjusted Measures<br>Active Share<br>Bull vs. Bear<br>Final Portfolio

## Return Comparison

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Cumulative Return of $\$ 1$


## Historical Performance

AIM Portfolio Returns vs. Benchmark Returns (Annualized)


## Top \& Bottom Performers

1 Year Returns or Holding Period Returns
Top Five Performers

| Gilead | $95 \%$ |
| :--- | :--- |
| Bank of Internet* | $94 \%$ |
| Google | $54 \%$ |
| Activision | $53 \%$ |
| Apollo* | $50 \%$ |

Bottom Five Performers
Teradata
Select Comfort
Titan*
Potash
ConAgra*
(27\%)
(9\%)


# Inherited Sector Allocation 

 Allocation results from a bottom-up approach
## UNIVERSITYOF NOTRE DAME

## AIM Sector Weights vs. Benchmarks



## Sector Performance <br> Strong in financials and health care



## Sector Performance

## Outperformance in technology

Three Year Annualized Returns


## Sector Performance

 Underperformance in industrialsFive Year Annualized Returns


■ AIM ■ S\&P 500

## Attribution Analysis

- Allocation Effect: Ability to effectively allocate assets to various sectors
- Selection Effect: Ability to select securities within a sector relative to a benchmark
- Net Management Effect = Allocation + Selection


## Attribution Analysis

## One Year


$■$ Allocation Effect ■ Selection Effect $\quad$ Total Net Management Effect

## Attribution Analysis

## Three Year


$■$ Allocation Effect ■ Selection Effect $\quad$ Total Net Management Effect

## Attribution Analysis

## Five Years



## Sharpe Ratio

## Returns not a result of excessive risk-taking

$$
(r P-r f) / \sigma_{P}
$$



## Treynor Ratio

Adjusts for risk with beta instead of $\sigma$

$$
(r P-r f) / \beta_{P}
$$



## Jensen's Alpha

Generating abnormal returns since inception


## Active Share

- How "Active" is the AIM portfolio?
- We can only outperform the market if we are different from it
- A measure of the percentage of stock holdings in the portfolio that differ from the benchmark index
- Developed by Notre Dame Professor Martijn Cremers and Antti Petajisto
- Their research examined 2,650 funds from 1990 to 2003
- Managers with an Active Share above 80\% beat their benchmark indexes by an average of $1.13 \%$ after fees
- Managers with an Active Share under 20\% underperformed on average by $1.42 \%$ after fees


## Active Share

AIM portfolio has a high Active Share score

$$
\text { Active Share }=\frac{1}{2} \sum_{n=1}^{N}\left|W_{\text {fund }, i}-W_{\text {benchmark }, i}\right|
$$

- Scores are between 0 and 100\%
- Inherited AIM portfolio score: 90.8\%
- Implies a 9.2\% overlap with the S\&P 500
- Closest index position is Apple
- Limited number of equities (25) in the portfolio lends to a high Active Share score


## Active Share

 High score, low tracking errorActive Share: 90.8\%

## Active Share

 High score going forward- New AIM Portfolio Active Share Score: 90.2\%
- 15 of our 25 new positions are in the S\&P 500
- Apache
- Apple
- Corning
- Cummins
- Delphi Automotive
- Dollar Tree
- Estee Lauder
- Expeditors
- Gilead Sciences
- Google
- Intel
- Microsoft
- Rockwell Automation
- Teradata
- UnitedHealth


## Bull vs. Bear Analysis

- Analysis of AIM's performance in strong Bull and Bear markets
- How does the AIM portfolio perform compared to its benchmarks in bull and bear markets?


## Average Excess Returns: Bull Markets



## Average Excess Returns: Bear Markets



## Bull vs. Bear Takeaways

- Aggressive yet highly selective stock-picking strategy has led to outperformance in bull markets and bear markets
- Analysis suggests that stock picking focuses on quality companies that can outperform the market regardless of general economic conditions


## Portfolio Turnover

## SELL

- Apollo Group (APOL)
- Bank of Internet (BOFI)
- Cinemark (CNK)
- Coach (COH)
- ConAgra (CAG)
- Titan Machinery (TITN)
- Wynn Resorts (WYNN)


## BUY

- Apache Corp. (APA)
- Cott Corp. (COT)
- Covanta Holding Corp. (CVA)
- Dollar Tree (DLTR)
- Estee Lauder Cos. (EL)
- Pixelworks (PXLW)
- Rockwell Automation (ROK)


## 

## HOLD

- Activision Blizzard (ATVI)
- Apple (AAPL)
- Corning (GLW)
- Cummins (CMI)
- Delphi Automotive (DLPH)
- Diamond Rock Hospitality (DRH)
- Expeditors International (EXPD)
- Gilead Sciences (GILD)
- Google (GOOG)
- Intel (INTC)
- InterActive Corp. (IACI)
- IPG Photonics (IPGP)
- Joseph A. Banks (JOSB)
- Microsoft (MSFT)
- Potash (POT)
- Select Comfort (SCSS)
- Teradata (TDC)
- UnitedHealth (UNH)


## Portfolio Purchases

| Company | Ticker | Purchase Price <br> $\mathbf{1 1 / 2 0 / 1 3}$ | Intrinsic Value | Upside |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Apache Corp. | APA | $\$ 93.18$ | $\$ 101.05$ | $8.4 \%$ |
| Cott Corp. | COT | $\$ 8.55$ | $\$ 11.49$ | $34.4 \%$ |
| Covanta Holding Corp. | CVA | $\$ 17.77$ | $\$ 28.17$ | $58.5 \%$ |
| Dollar Tree | DLTR | $\$ 58.92$ | $\$ 68.54$ | $16.3 \%$ |
| Estee Lauder Cos. | EL | $\$ 73.10$ | $\$ 81.69$ | $11.8 \%$ |
| Pixelworks | PXLW | $\$ 4.16$ | $\$ 5.50$ | $32.2 \%$ |
| Rockwell Automation | ROK | $\$ 110.96$ | $\$ 138.69$ | $25.0 \%$ |
| Teradata* | TDC | $\$ 45.40$ | $\$ 57.33$ | $26.3 \%$ |
| Potash* | POT | $\$ 32.08$ | $\$ 36.70$ | $14.4 \%$ |

## Current Sector Allocation

## AIM Sector Weights vs. Benchmarks




## General Information

Guest Speakers

San Francisco Trip
AIM Website
Newsletter

## Guest Speakers



Ed Trubac, Finance Professor Emeritus


Scott Malpass, Chief Investment Officer

Rick Buhrman, Notre Dame Investment Office


## San Francisco Trip

## Overview

September 11-15, 2013
Westin St. Francis, on Union Square


## Alumni Dinner

Networking event
St. Francis Suite, Westin St. Francis


## San Francisco Trip

Sujay Jaswa

- Head of Operations, Dropbox


## Golden Gate Club

- VMG Partners - Michael Mauze \& Kara Cissa-Roell
- Route One Investment Company - Bill Duhamel, Jason Moment, Richard Voon, \& Will Stegall
- Valiant Capital Management Chris Hansen



## San Francisco Trip

Luke Pena

- Associate Director for MBA Admissions, Stanford Graduate School of Business


Ryan Sweeney ('99, AIMVII)

- General Partner , Accel Partners



PARTNERS

## San Francisco Trip

## Douglas Leone

- Partner, Sequoia Capital



## Class Dinner

- Harris' The San Francisco Steakhouse



## San Francisco Trip

## David Glynn ('00)

- Managing Director
- Glynn Capital Management



## Private Equity Panel

- Brian McMullen (‘00, AIM IX) H.I.G Capital
- Cas Schneller ('00, AIM IX) - FFL
- Jay DeCoons ('99, AIM VII) YogaWorks



## Website



- Course Overview
- News and Events
- Analysts
- Alumni
- Networking
- Career opportunities
- Upcoming events
- Portfolio Performance
- Social Media
- LinkedIn



## Newsletter

Objective:

- Alumni Updates
- Portfolio Performance
- Economic Outlook


## AIM QUARTERLY



## Closing

- AIM XXXVII would like to thank:
- The Advisory Board
- Scott Malpass and the Notre Dame Investment Office
- Professors Langley, Reilly, and Trubac
- Rachel Karnafel
- Post-Presentation Agenda:
- Short break
- Advisory Board panel discussion


## Final Portfolio <br> As of $12 / 3 / 13$

| Stock | Ticker | Weight | Market Value | Stock | Ticker | Weight | Market Value |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apple | AAPL | 4.97\% | \$453,057 | InterActive Corp | IACI | 4.13\% | \$376,596 |
| Apache Corp. | APA | 3.68\% | \$335,072 | Intel | INTC | 3.39\% | \$308,505 |
| Activision Blizzard | ATVI | 3.95\% | \$359,520 | IPG Photonics | IPGP | 3.61\% | \$328,624 |
| Cummins | CMI | 3.85\% | \$351,081 | Joseph A. Bank | JOSB | 4.47\% | \$407,376 |
| Cott Corp. | COT | 3.75\% | \$341,880 | Microsoft | MSFT | 4.25\% | \$386,931 |
| Covanta Holding Corp. | CVA | 4.38\% | \$399,050 | Potash | POT | 3.77\% | \$343,332 |
| Delphi Automotive | DLPH | 4.46\% | \$406,262 | Pixelworks | PXLW | 3.95\% | \$359,502 |
| Dollar Tree | DLTR | 3.70\% | \$336,964 | Rockwell Automation Inc. | ROK | 4.27\% | \$389,060 |
| DiamondRock Hospitality | DRH | 3.70\% | \$336,720 |  |  |  |  |
| Estee Lauder Cos. | EL | 3.84\% | \$350,103 | Select Comfort | SCSS | 3.35\% | \$305,550 |
| Expeditors International | EXPD | 3.51\% | \$320,198 | Teradata | TDC | 3.58\% | \$326,520 |
| Gilead Sciences | GILD | 4.37\% | \$398,310 | United Health Group | UNH | 3.88\% | \$353,904 |
| Corning | GLW | 4.11\% | \$374,194 | Proshr UltrShrt MSCI Japan | EWV | 0.05\% | \$4,155 |
| Google | GOOG | 4.62\% | \$421,304 | iShares MSCI Mexico | EWW | 0.05\% | \$4,637 |
|  |  |  |  | Cash \& Cash Equivalents |  | 0.36\% | \$33,186 |
|  |  |  |  | TOTAL |  | 100\% | \$9,213,809 |



## AIM XXXVII

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[^0]:    **As of final trades 11/25/2013

