

# HENRY JACK & ASSOCIATES INC

## FORM 10-K (Annual Report)

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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

FORM 10-K

ANNUAL REPORT  
PURSUANT TO SECTION 13 OR 15(d)  
OF THE SECURITIES EXCHANGE ACT OF 1934

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended June 30, 2017

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission file number 0-14112

**JACK HENRY & ASSOCIATES, INC.**

(Exact name of registrant as specified in its charter)

Delaware

(State or Other Jurisdiction of Incorporation)

43-1128385

(I.R.S Employer Identification No.)

**663 Highway 60, P.O. Box 807, Monett, MO 65708**

(Address of Principle Executive Offices)  
(Zip Code)

**417-235-6652**

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

<u>Title of each class</u>	<u>Name of each exchange on which registered</u>
Common Stock (\$0.01 par value)	NASDAQ Global Select Market

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.

Yes  No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Act.

Yes  No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).

Yes  No

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Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K. [X]

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	(Do not check if a smaller reporting company)	
		Smaller reporting company	<input type="checkbox"/>
		Emerging Growth Company	<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. [ ]

Indicate by check mark whether the Registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act)  
Yes [ ] No [X]

On December 31, 2016 , the aggregate market value of the Common Stock held by persons other than those who may be deemed affiliates of Registrant was \$6,851,199,964 (based on the average of the reported high and low sales prices on NASDAQ on December 31, 2016 ).

As of August 16, 2017 , the Registrant had 77,438,286 shares of Common Stock outstanding (\$0.01 par value).

#### **DOCUMENTS INCORPORATED BY REFERENCE**

Portions of the Company's Notice of Annual Meeting of Stockholders and Proxy Statement for its 2017 Annual Meeting of Stockholders (the "Proxy Statement") are incorporated by reference into Part II, Item 5 and into Part III of this Report.

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In this report, all references to “JHA”, the “Company”, “we”, “us”, and “our”, refer to Jack Henry & Associates, Inc., and its wholly owned subsidiaries.

## **FORWARD LOOKING STATEMENTS**

Certain statements in this report, other than purely historical information, including estimates, projections, statements relating to our business plans, objectives and expected operating results, and the assumptions upon which those statements are based, are “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Forward-looking statements may appear throughout this report, including without limitation, in Management's Discussion and Analysis of Financial Condition and Results of Operations. Forward-looking statements generally are identified by the words “believe,” “project,” “expect,” “anticipate,” “estimate,” and similar expressions. Forward-looking statements are based on current expectations and assumptions that are subject to risks and uncertainties which may cause actual results to differ materially from the forward-looking statements. A detailed discussion of risks and uncertainties that could cause actual results and events to differ materially from such forward-looking statements is included in the section titled “Risk Factors” (Part I, Item 1A of this Form 10-K). We undertake no obligation to update or revise publicly any forward-looking statements, whether as a result of new information, future events, or otherwise.

## PART I

### ITEM 1. BUSINESS

Jack Henry & Associates, Inc. (JHA) was founded in 1976 as a provider of core information processing solutions for community banks. Today, the Company's extensive array of products and services includes processing transactions, automating business processes, and managing information for over 9,000 financial institutions and diverse corporate entities.

JHA provides its products and services through three business brands:

- **Jack Henry Banking** is a leading provider of integrated data processing systems to approximately 1,080 banks ranging from community banks to multi-billion dollar institutions with assets of up to \$50 billion . Our banking solutions support both in-house and outsourced operating environments with three functionally distinct core processing platforms and more than 100 integrated complementary solutions.
- **Symitar** is a leading provider of core data processing solutions for credit unions of all sizes, with approximately 820 credit union customers. Symitar markets two functionally distinct core processing platforms and more than 50 integrated complementary solutions that support both in-house and outsourced operating environments.
- **ProfitStars** is a leading provider of highly specialized core agnostic products and services to financial institutions that are primarily not core customers of the Company. ProfitStars offers highly specialized financial performance, imaging and payments processing, information security and risk management, retail delivery, and online and mobile solutions. ProfitStars' products and services enhance the performance of financial services organizations of all asset sizes and charters, and diverse corporate entities with over 9,000 domestic and international customers.

Our products and services enable our customers to implement technology solutions that can be tailored to support their unique growth, service, operational, and performance goals. Our solutions also enable financial institutions to offer the high-demand products and services required to compete more successfully, and to capitalize on evolving trends shaping the financial services industry.

We are committed to exceeding our customers' service-related expectations. We measure and monitor customer satisfaction using formal annual surveys and online surveys initiated each day randomly by routine support requests. The results of this extensive survey process confirm that our service consistently exceeds our customers' expectations and generates excellent customer retention rates.

We also focus on establishing long-term customer relationships, continually expanding and strengthening those relationships with cross sales of additional products and services, earning new traditional and nontraditional clients, and ensuring each product offering is highly competitive.

The majority of our revenue is derived from recurring electronic payment solutions and outsourcing services that both generally have contract terms of five years or greater, and support and services provided to our in-house customers that are typically on a one year contract. Less predictable software license fees, paid by customers implementing our software solutions in-house, and hardware sales, including all non-software products that we re-market in order to support our software systems, complement our primary revenue sources.

JHA ended fiscal 2017 with \$1,431.1 million in revenue. This has increased from \$1,017.7 million at the end of fiscal 2012 , representing a compound annual growth rate during this five-year period of 7% . Net income has grown from \$152.0 million to \$245.8 million during this same five-year period, representing a compound annual growth rate of 10% . Information regarding the classification of our business into separate segments serving the banking and credit union industries is set forth in Note 13 to the Consolidated Financial Statements (see Item 8).

JHA's progress and performance have been guided by the focused work ethic and fundamental ideals fostered by the Company's founders 41 years ago:

- Do the right thing,
- Do whatever it takes, and
- Have fun.

We recognize that our associates and their collective contribution are ultimately responsible for JHA's past, present, and future success. Recruiting and retaining high-quality employees is essential to our ongoing growth and financial performance, and we have established a corporate culture that sustains high levels of employee satisfaction.

#### Industry Background

Jack Henry Banking primarily serves commercial banks and savings institutions with up to \$50 billion in assets. According to the Federal Deposit Insurance Corporation ("FDIC"), there were more than 5,870 commercial banks and

savings institutions in this asset range as of December 31, 2016 . Jack Henry Banking currently supports approximately 1,080 of these banks with its core information processing platforms and complementary products and services.

Symitar serves credit unions of all asset sizes. According to the Credit Union National Association (“CUNA”), there were more than 6,000 domestic credit unions as of December 31, 2016 . Symitar currently supports approximately 820 of these credit unions with core information processing platforms and complementary products and services.

ProfitStars serves financial services organizations of all asset sizes and charters and other diverse corporate entities. ProfitStars currently supports over 9,000 institutions with specialized solutions for generating additional revenue and growth, increasing security, mitigating operational risks, and controlling operating costs.

The FDIC reports the number of commercial banks and savings institutions declined 20% from the beginning of calendar year 2012 to the end of calendar year 2016 , due mainly to mergers. Although the number of banks declined at a 4% compound annual rate during this period, aggregate assets increased at a compound annual rate of 4% and totaled \$15.6 trillion as of December 31, 2016 . There were no new bank charters issued in calendar year 2016 , compared to one in the 2015 calendar year. Comparing calendar years 2016 to 2015 , mergers decreased 17% .

CUNA reports the number of credit unions declined 18% from the beginning of calendar year 2012 to the end of calendar year 2016 . Although the number of credit unions declined at a 4% compound annual rate during this period, aggregate assets increased at a compound annual rate of 6% and totaled \$1.3 trillion as of December 31, 2016 .

Community and mid-tier banks and credit unions are important in the communities and to the consumers they serve. Bank customers and credit union members rely on these institutions to provide personalized, relationship-based service and competitive financial products and services available through the customer’s delivery channel of choice. Institutions are recognizing that attracting and retaining customers/members in today’s highly competitive financial industry and realizing near and long term performance goals are often technology-dependent. Financial institutions must implement technological solutions that enable them to:

- Maximize performance with accessible, accurate, and timely business intelligence information;
- Offer the high-demand products and services needed to successfully compete with traditional competitors and non-traditional competitors created by convergence within the financial services industry;
- Enhance the customer/member experience at varied points of contact;
- Expand existing customer/member relationships and strengthen exit barriers by cross selling additional products and services;
- Capitalize on new revenue and deposit growth opportunities;
- Increase operating efficiencies and reduce operating costs;
- Implement e-commerce, mobile, and digital strategies that provide the convenience-driven services required in today’s financial services industry;
- Protect mission-critical information assets and operational infrastructure;
- Protect customers/members with various security tools from fraud and related financial losses;
- Maximize the day-to-day use of technology and return on technology investments; and
- Ensure full regulatory compliance.

JHA’s extensive product and service offering enables diverse financial institutions to capitalize on these business opportunities and respond to these business challenges. We strive to establish a long-term, value-added technology partnership with each customer, and to continually expand our offering with the specific solutions our customers need to prosper in the evolving financial services industry.

### **Mission Statement**

JHA’s mission is to protect and increase the value of its stockholders’ investment by providing quality products and services to our customers. We perform this mission by:

- Concentrating our activities on what we know best - information systems and services for financial institutions;
- Providing outstanding commitment and service to our customers so that the perceived value of our products and services is consistent with the real value; and
- Maintaining a work environment that is personally, professionally, and financially rewarding to our employees.

### **Business Strategy**

Our fundamental business strategy is to generate organic revenue and earnings growth supplemented by strategic acquisitions. We execute this strategy by:

- Providing commercial banks and credit unions with core operating systems that provide excellent functionality, and support in-house and outsourced delivery environments with identical functionality.
- Expanding each core customer relationship by cross-selling complementary products and services that enhance the functionality provided by our core information processing systems.
- Maintaining a company-wide commitment to customer service that consistently exceeds our customers' expectations and generates high levels of customer retention.
- Capitalizing on our acquisition strategy.

### Acquisition Strategy

We have a disciplined approach to acquisitions and have been successful in supplementing our organic growth with strategic acquisitions, including 29 acquisitions since the end of fiscal 1999. We continue to explore acquisitions that have the potential to:

- Expand our suite of complementary products and services;
- Provide products and services that can be sold to both existing core and non-core customers and outside our base to new customers; and /or
- Provide selective opportunities to sell outside our traditional markets in the financial services industry.

We have completed one acquisition in the last 3 years. After 41 years in business we have very few gaps in our product line, so it is increasingly difficult to find proven products or services that would enable our clients and prospects to better optimize their business opportunities or solve specific operational issues. In addition, we see few acquisition opportunities that would expand our market or enable our entry into adjacent markets within the financial services industry that are fairly priced or that we could assimilate into our company without material distractions.

We have a solid track record of executing acquisitions from both a financial and operational standpoint and we will continue to pursue acquisition opportunities that support our strategic direction, complement and accelerate our organic growth, and generate long-term profitable growth for our shareholders. Until we identify appropriate acquisition opportunities, we will continue to find alternative ways to leverage our cash position and balance sheet to the benefit of our shareholders, such as continued investment in new products and services for our customers, repurchases of our stock, and continued payment of dividends.

Our five most recent acquisitions were:

Fiscal Year	Company or Product Name	Products and Services
2016	Bayside Business Solutions	Portfolio management systems and factoring software
2014	Banno	Mobile banking, web development and data-enriched marketing technology
2010	iPay Technologies	Electronic bill payment and P2P services
2010	PEMCO Technology Services	Payment transaction processing solutions for credit unions
2010	Goldleaf Financial Solutions	Integrated technology and payment processing solutions

### Solutions

Our proprietary solutions are marketed through three business brands:

- **Jack Henry Banking** supports commercial banks with information and transaction processing platforms that provide enterprise-wide automation. We have three functionally distinct core bank processing systems and more than 100 complementary solutions, including business intelligence and bank management, retail and business banking, digital and mobile internet banking and electronic payment solutions, risk management and protection, and item and document imaging solutions. Our banking solutions have state-of-the-art functional capabilities, and we can re-market the hardware required by each software system. Our banking solutions can be delivered in-house or through outsourced delivery model, and are backed by a company-wide commitment to provide exceptional personal service. Jack Henry Banking is a recognized market leader, currently supporting approximately 1,080 banks with its technology platforms.
- **Symitar** supports credit unions of all sizes with information and transaction processing platforms that provide enterprise-wide automation. Its solutions include two functionally distinct core processing systems and more than 50 complementary solutions, including business intelligence and credit union management, member and member business services, digital and mobile internet banking and electronic payment solutions, risk management and protection, and item and document imaging solutions. Our credit union solutions also have state-of-the-art functional capabilities, and we can re-market the hardware required by each software system. Our credit union solutions can



be delivered in-house or through outsourced delivery model, and are also backed by our company-wide commitment to provide exceptional personal service. Symitar currently supports approximately 820 credit union customers.

- **ProfitStars** is a leading provider of specialized products and services assembled through our focused diversification acquisition strategy. These core agnostic solutions are compatible with a wide variety of information technology platforms and operating environments, and include proven solutions for generating additional revenue and growth, increasing security and mitigating operational risks, and/or controlling operating costs. ProfitStars' products and services enhance the performance of financial services organizations of all asset sizes and charters, and diverse corporate entities with over 9,000 domestic and international customers. These distinct products and services can be implemented individually or as solution suites to address specific business problems or needs and enable effective responses to dynamic industry trends.

We will continue to develop and maintain functionally robust, integrated solutions that are supported with high service levels, regularly updating and improving those solutions using an interactive customer enhancement process; ensuring compliance with relevant regulations; updated with proven advances in technology; and consistent with JHA's reputation as a premium product and service provider.

### **Core Software Systems**

Core software systems primarily consist of the integrated applications required to process deposit, loan, and general ledger transactions, and to maintain centralized customer/member information.

Jack Henry Banking markets three core software systems to banks and Symitar markets two core software systems to credit unions. These core systems are available for in-house installation at customer sites, or financial institutions can outsource ongoing information processing to JHA.

Jack Henry Banking's three core banking platforms are:

- **SilverLake®**, a robust IBM Power System™ (i/OS) based system primarily designed for commercial-focused banks with assets ranging from \$500 million to \$50 billion. However, some progressive smaller banks and start-up banks also select SilverLake. This system is in use by over 390 banks, and now automates approximately 6.7% of the domestic banks with assets less than \$50 billion .
- **CIF 20/20®**, a parameter-driven, easy-to-use system that now supports over 490 banks ranging from de novo institutions to those with assets exceeding \$2 billion. CIF 20/20 is the most widely used IBM Power System™ (i/OS) core processing system in the community bank market.
- **Core Director®**, a Windows®-based, client/server system that now supports nearly 200 banks ranging from de novo institutions to those with assets exceeding \$1 billion. Core Director is a cost-efficient operating platform and provides intuitive point-and-click operation.

Symitar's two core credit union platforms are:

- **Episys®**, a robust IBM Power System™ (AIX®) based system primarily designed for credit unions with more than \$50 million in assets. It has been implemented by nearly 660 credit unions and is ranked as the system implemented by more credit unions with assets exceeding \$25 million than any other alternative system.
- **CruiseNet®**, a Windows-based, client/server system designed primarily for credit unions with less than \$50 million in assets. It has been implemented by nearly 160 credit unions, is cost-efficient, and provides intuitive point-and-click, drag-and-drop operation.

Customers electing to install our solutions in-house license the proprietary software systems. The large majority of these customers pay ongoing annual software maintenance fees. We also re-market the hardware and peripheral equipment that is required by our software solutions; and we contract to perform software implementation, data conversion, training, ongoing support, and other related services. In-house customers generally license our core software systems under a standard license agreement that provides a fully-paid, nonexclusive, nontransferable right to use the software on a single computer at a single location.

Customers can eliminate the significant up-front capital expenditures required by in-house installations and the responsibility for operating information and transaction processing infrastructures by outsourcing these functions to JHA. Our core outsourcing services are provided through a national network of four data centers located in three physical locations. We also provide image item processing services from two host/archive sites and several key entry and balancing locations throughout the country. We print and mail customer statements for financial institutions from three regional printing and rendering centers. Customers electing to outsource their core processing typically sign contracts for five or more years that include transaction-based processing fees and minimum guaranteed payments during the contract period.

We support the dynamic business requirements of our core bank and credit union clients with ongoing enhancements to each core system, the regular introduction of new integrated complementary products, the ongoing integration of practical new technologies, and regulatory compliance initiatives. JHA also serves each core customer as a single point of contact, support, and accountability.

### **Complementary Products and Services**

We provide more than 100 complementary products and services that are sold to our core bank and credit union customers, and selectively sold by our ProfitStars division to financial services organizations that use other core processing systems.

These complementary solutions enable core bank and credit union clients to respond to evolving customer/member demands, expedite speed-to-market with competitive offerings, increase operating efficiency, address specific operational issues, and generate new revenue streams. The highly specialized solutions sold by ProfitStars enable diverse financial services organizations and corporate entities to generate additional revenue and growth opportunities, increase security and mitigate operational risks, and control operating costs.

JHA regularly introduces new products and services based on demand for integrated complementary solutions from our existing core clients, and based on the growing demand among financial services organizations and corporate entities for specialized solutions capable of increasing revenue and growth opportunities, mitigating and controlling operational risks, and containing costs. The Company's Industry Research department solicits customer guidance on the business solutions they need, evaluates available solutions and competitive offerings, and manages the introduction of new product offerings. JHA's new complementary products and services are developed internally, acquired, or provided through strategic alliances.

### **Electronic Payment Solutions**

Electronic payment solutions provides our customers with the tools necessary to be at the forefront of payment innovations with secure payment processing designed to simplify complex payment processing, attract profitable retail and commercial accounts, increase operating efficiencies, comply with regulatory mandates, and proactively mitigate and manage payments-related risk.

Jack Henry identifies three components of Electronic Payment Solutions:

- **Card Services** provides a comprehensive suite of Automated Teller Machine ("ATM"), debit, and credit card transaction processing and fraud management solutions. Our card processing solutions, which include loyalty/ rewards, multiple fraud detection programs, and cardholder alert and controls, as well as other key components that are fully integrated with JHA's core and complementary solutions, facilitate seamless transaction processing.
- **Bill Pay and Mobile** banking platforms are offered through our iPay and Banno product offerings. iPay offers iPay Business Bill Pay™, a full suite of online financial management solutions designed to meet the distinct needs of small businesses, as well as iPay Consumer Bill Pay™, a solution that supports single or recurring payments, allows customers to receive full bills electronically, and easily integrates with any internet banking provider. Banno Mobile™ offers a native mobile banking application for both iOS and Android that offers innovative and cost-effective mobile services that can be marketed with customer's own brand identity. It allows customers to aggregate all of their account balances and transactional data from multiple financial institutions and empowers them with the convenience of anytime, anywhere account access.
- **Processing/ Other** includes Enterprise Payment Solutions (EPS), a comprehensive payments engine and the leading total payments solution on the market today. EPS offers an integrated suite of remote deposit capture, ACH and card transaction processing solutions, risk management tools, reporting capabilities, and more for financial institutions of all sizes. EPS helps financial institutions succeed in today's competitive market to increase revenue, improve efficiencies, better manage compliance, and enhance customer relationships. Furthermore, Commercial Lending Solutions help financial institutions securely transition from a traditional lending portfolio (focused on real estate-based consumer lending) to a more fully-diversified portfolio developed via commercial and industrial lending. Our solutions also provide reliable ways to retain creditworthy business customers facing financial hurdles, without the risk of loan loss.

### **Hardware Systems**

Our software systems operate on a variety of hardware platforms. We have established remarketing agreements with IBM Corporation (fulfilled directly and through IBM distributors), and many other hardware providers that allow JHA to purchase hardware and related maintenance services at a discount and resell them directly to our customers. We currently sell IBM Power Systems; Lenovo, Dell, and HP servers and workstations; Canon, Digital Check, Epson, and Panini check scanners; and other devices that complement our software solutions.

## **Implementation and Training**

The majority of our core bank and credit union customers contract with us for implementation and training services in connection with their systems and additional complementary products.

A complete core system implementation typically includes detailed planning, project management, data conversion, and testing. Our experienced implementation teams travel to customer facilities to help manage the process and ensure that all data is transferred from the legacy system to the JHA system. Our implementation fees are fixed or hourly based on the core system being installed.

We also provide extensive initial and ongoing education to our customers. Know-It-All Education is a comprehensive training program that supports new customers with basic training and longtime customers with continuing education. The curricula provide the ongoing training financial institutions need to maximize the use of JHA's core and complementary products, to optimize ongoing system enhancements, and to fully understand dynamic year-end legislative and regulatory requirements. Each basic, intermediate, and advanced course is delivered by system experts, supported by professional materials and training tools, and incorporates different educational media in a blended learning approach. Know-It-All Education supports distinct learning preferences with a variety of delivery channels, including classroom-based courses offered in JHA's regional training centers, Internet-based live instruction, eLearning courses, on-site training, and train-the-trainer programs.

## **Support and Services**

We serve our customers as a single point of contact and support for the complex solutions we provide. The Company's comprehensive support infrastructure incorporates:

- Exacting service standards;
- Trained support staff available 24 hours-a-day, 365 days-a-year;
- Assigned account managers;
- Sophisticated support tools, resources, and technology;
- Broad experience converting diverse banks and credit unions to our core platforms from every competitive platform;
- Highly effective change management and control processes; and
- A best practices methodology developed and refined through the company-wide, day-to-day experience supporting over 9,000 diverse clients.

Most in-house customers contract for annual software support services, and this represents a significant source of recurring revenue for JHA. These support services are typically priced at approximately 18% to 20% of the respective product's software license fee. The subsequent years' service fees generally increase as customer assets increase and as additional complementary products are purchased. Annual software support fees are typically billed during June and are paid in advance for the entire fiscal year, with pro-ratio for new product implementations that occur during the year. Hardware support fees also are usually paid in advance for entire contract periods which typically range from one to five years. Most support contracts automatically renew unless the customer or JHA gives notice of termination at least 30 days prior to contract expiration.

High levels of support are provided to our outsourced customers by the same support infrastructure utilized for in-house customers. However, these support fees are included as part of monthly outsourcing fees.

JHA regularly measures customer satisfaction using formal annual surveys and more frequent online surveys initiated randomly by routine support requests. This process shows that we consistently exceed our customers' service-related expectations.

## **Backlog**

Backlog consists of contracted in-house products and services that have not been delivered. Backlog also includes the minimum monthly payments for the remaining portion of multi-year outsourcing contracts, and typically includes the minimum payments guaranteed for the remainder of the contract period.

Backlog as of June 30, 2017 totaled \$630.3 million, consisting of contracts signed for future delivery of software, hardware, and implementation services (in-house backlog) of approximately \$78.9 million, and \$551.4 million for outsourcing services. Approximately \$426.0 million of the outsourcing services backlog as of June 30, 2017 is not expected to be realized during fiscal 2018 due to the long-term nature of our outsourcing contracts. Backlog as of June 30, 2016 totaled \$620.6 million, consisting of \$95.6 million for future delivery of in-house software, hardware, and implementation services (in-house backlog), and \$525.0 million for outsourcing services.

The in-house backlog does not include amounts related to items that have been delivered but cannot be recognized as revenue due to accounting rules for software revenue recognition; those amounts are included in deferred revenue on the balance sheet to the extent that they have been billed to the customer as of June 30, 2017 and 2016 .

Our outsourcing backlog continues to experience growth based on new contracting activities and renewals of multi-year contracts, and although the appropriate portion of this revenue will be recognized during fiscal 2018 , the backlog is expected to trend up gradually for the foreseeable future due to renewals of existing relationships and new contracting activities.

### **Research and Development**

We invest significant resources in ongoing research and development to develop new software solutions and services, and enhance existing solutions with additional functionality and features required to ensure regulatory compliance. Our core and the majority of our complementary systems are typically enhanced once each year. Product-specific enhancements are largely customer-driven with recommended enhancements formally gathered through focus groups, change control boards, strategic initiatives meetings, annual user group meetings, and ongoing customer contact. We also continually evaluate and implement process improvements that expedite the delivery of new products and enhancements to our customers, and reduce related costs.

Research and development expenses for fiscal years 2017 , 2016 , and 2015 were \$84.8 million , \$81.2 million , and \$71.5 million , respectively. Capitalized software for fiscal years 2017 , 2016 , and 2015 was \$89.6 million , \$96.4 million , and \$76.9 million , respectively.

### **Sales and Marketing**

JHA serves established, well defined markets that provide ongoing sales and cross-sales opportunities.

The marketing and sales initiatives within the Jack Henry Banking and Symitar business lines are primarily focused on identifying banks and credit unions evaluating alternative core information and transaction processing solutions. ProfitStars sells specialized core agnostic niche solutions that complement existing technology platforms to domestic financial services organizations of all asset sizes and charters.

Dedicated sales forces support each of JHA's three marketed brands. Sales executives are responsible for the activities required to earn new customers in assigned territories, and regional account executives are responsible for nurturing customer relationships and cross selling additional products and services. Our sales professionals receive base salaries and performance-based commission compensation. Brand-specific sales support staff provide a variety of services, including product and service demonstrations, responses to prospect-issued requests-for-proposals, and proposal and contract generation. Our marketing department supports all three brands with lead generation and brand-building activities, including participation in state-specific, regional, and national trade shows; print and online advertising; telemarketing; customer newsletters; ongoing promotional campaigns; and media relations. JHA also hosts annual national education conferences which provide opportunities to network with existing clients and demonstrate new products and services.

JHA has sold select products and services in the Caribbean, Canada, Europe, and South America. International sales account for less than 1% of JHA's total revenue in the year ended June 30, 2017 , and were approximately 1% of total revenue in fiscal years 2016 and 2015 .

### **Competition**

The market for companies providing technology solutions to financial services organizations is competitive, and we expect that competition from both existing competitors and companies entering our existing or future markets will remain strong. Some of JHA's current competitors have longer operating histories, larger customer bases, and greater financial resources. The principal competitive factors affecting the market for technology solutions include product/service functionality, price, operating flexibility and ease-of-use, customer support, and existing customer references. For more than a decade there has been significant consolidation among providers of products and services designed for financial institutions, and this consolidation is expected to continue in the future.

Jack Henry Banking and Symitar compete with large vendors that provide information and transaction processing solutions to banks and credit unions, including Fidelity National Information Services, Inc.; Fiserv, Inc.; and Finastra. ProfitStars competes with an array of disparate vendors that provide niche solutions to financial services organizations and corporate entities.

### **Intellectual Property, Patents, and Trademarks**

Although we believe our success depends upon our technical expertise more than our proprietary rights, our future success and ability to compete depend in part upon our proprietary technology. We have registered or filed applications for our primary trademarks. Most of our technology is not patented. Instead, we rely on a combination of contractual

rights, copyrights, trademarks, and trade secrets to establish and protect our proprietary technology. We generally enter into confidentiality agreements with our employees, consultants, resellers, customers, and potential customers. Access to and distribution of our Company's source code is restricted, and the disclosure and use of other proprietary information is further limited. Despite our efforts to protect our proprietary rights, unauthorized parties can attempt to copy or otherwise obtain, or use our products or technology. We cannot be certain that the steps taken in this regard will be adequate to prevent misappropriation of our technology or that our competitors will not independently develop technologies that are substantially equivalent or superior to our technology.

### **Regulatory Compliance**

JHA maintains a corporate commitment to address compliance issues and implement requirements imposed by the federal regulators prior to the effective date of such requirements when adequate prior notice is given. JHA's compliance program is provided by a team of compliance analysts and auditors that possess extensive regulatory agency and financial institution experience, and a thorough working knowledge of JHA and our solutions. These compliance professionals leverage multiple channels to remain informed about potential and recently enacted regulatory requirements, including regular discussions on emerging topics with the Federal Financial Institutions Examination Council ("FFIEC") examination team and training sessions sponsored by various professional associations.

JHA has a process to inform internal departments of new and revised regulatory requirements. Upcoming regulatory changes also are presented to the Company's development teams through monthly regulatory compliance meetings and the necessary product changes are included in the ongoing product development cycle. JHA publishes newsletters to keep our customers informed of regulatory changes that could impact their operations. Periodically, customer advisory groups are assembled to discuss significant regulatory changes.

Internal audits of our systems, networks, operations, business recovery plans, and applications are conducted and specialized outside firms are periodically engaged to perform testing and validation of our systems, processes, plans and security. Ensuring that confidential information remains private is a high priority, and JHA's initiatives to protect confidential information include regular third-party application reviews intended to better secure information access. Additional third-party reviews are performed throughout the organization, such as vulnerability tests, intrusion tests, and System and Organizations Controls (SOC) 1 or SOC 2 reports. The FFIEC conducts annual reviews throughout the Company and issues reports that are reviewed by the JHA Risk and Compliance Committee of the Board of Directors.

### **Government Regulation**

The financial services industry is subject to extensive and complex federal and state regulation. All financial institutions are subject to substantial regulatory oversight and supervision. Our products and services must comply with the extensive and evolving regulatory requirements applicable to our customers, including but not limited to those mandated by federal truth-in-lending and truth-in-savings rules, the Privacy of Consumer Financial Information regulations, usury laws, the Equal Credit Opportunity Act, the Fair Housing Act, the Electronic Funds Transfer Act, the Fair Credit Reporting Act, the Bank Secrecy Act, the USA Patriot Act, the Gramm-Leach-Bliley Act, the Community Reinvestment Act and the Dodd-Frank Wall Street Reform and Consumer Protection Act. The compliance of JHA's products and services with these requirements depends on a variety of factors, including the particular functionality, the interactive design, the classification of customers, and the manner in which the customer utilizes the products and services. Our customers are contractually responsible for assessing and determining what is required of them under these regulations and then we assist them in meeting their regulatory needs through our products and services. The impact of the Dodd-Frank Wall Street Reform and Consumer Protection Act continues to evolve as the regulations are written to implement the various provisions of the law. We cannot predict the impact these regulations, any future amendments to these regulations or any newly implemented regulations will have on our business in the future.

JHA is not chartered by the Office of the Comptroller of Currency, the Board of Governors of the Federal Reserve System, the Federal Deposit Insurance Corporation, the National Credit Union Administration or other federal or state agencies that regulate or supervise depository institutions. However, operating as a service provider to financial institutions, JHA's operations are governed by the same regulatory requirements as those imposed on financial institutions, and subject to periodic reviews by FFIEC regulators who have broad supervisory authority to remedy any shortcomings identified in such reviews.

JHA provides outsourced services through OutLink™ Data Centers, electronic transaction processing through Card Processing Solutions, Internet banking through NetTeller, Banno online solutions, bill payment through iPay, network security monitoring and Hosted Network Solutions (HNS) through our Gladiator unit, and Cloud Services and business recovery services through Centurion Disaster Recovery.

The outsourcing services provided by JHA are subject to examination by FFIEC regulators under the Bank Service Company Act. These examinations cover a wide variety of subjects, including system development, functionality,

reliability, and security, as well as disaster preparedness and business recovery planning. Our outsourcing services are also subject to examination by state banking authorities on occasion.

### **Employees**

As of June 30, 2017 and 2016, JHA had 5,972 and 5,861 full-time employees, respectively. Of our full-time employees, approximately 983 are employed in the Credit Union segment of our business, with the remainder employed in the Bank segment or in general and administrative functions that serve both segments. Our employees are not covered by a collective bargaining agreement and there have been no labor-related work stoppages.

### **Available Information**

JHA's Website is easily accessible to the public at [www.jackhenry.com](http://www.jackhenry.com). The "For Investors" portion of the Website provides key corporate governance documents, the code of conduct, an archive of press releases, and other relevant Company information. Our annual report on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and other filings and amendments thereto that are made with the U.S. Securities and Exchange Commission (SEC) also are available free of charge on our Website as soon as reasonably practical after these reports have been filed with or furnished to the SEC. The SEC also maintains a website that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC at <https://www.sec.gov>.

## **ITEM 1A. RISK FACTORS**

The Company's business and the results of its operations are affected by numerous factors and uncertainties, some of which are beyond our control. The following is a description of some of the important risks and uncertainties that may cause our actual results of operations in future periods to differ from those expected or desired.

**Security problems could damage our reputation and business.** We rely on industry-standard encryption, network and Internet security systems, most of which we license from third parties, to provide the security and authentication necessary to effect secure transmission of data. Our services and infrastructure are increasingly reliant on the Internet. Computer networks and the Internet are vulnerable to unauthorized access, computer viruses and other disruptive problems such as denial of service attacks and other forms of cyber-terrorism. Individual personal computers can be stolen, and customer data media can be lost in shipment. Under state and federal laws requiring consumer notification of security breaches, the costs to remediate security breaches can be substantial. Advances in computer capabilities, new discoveries in the field of cryptography or other events or developments may render our security measures inadequate. Security risks may result in liability to our customers, damage to our reputation, and may deter financial institutions from purchasing our products. We will continue to expend significant capital and other resources protecting against the threat of security breaches, and, in the event of a breach, we may need to expend resources alleviating problems caused by such breach. Addressing security problems may result in interruptions, delays or cessation of service to users, any of which could harm our business.

**Operational failure in our outsourcing facilities could expose us to damage claims, increase regulatory scrutiny and cause us to lose customers.** Damage or destruction that interrupts our outsourcing operations could cause delays and failures in customer processing which could hurt our relationship with customers, damage our reputation, expose us to damage claims, and cause us to incur substantial additional expense to relocate operations and repair or replace damaged equipment. Our back-up systems and procedures may not prevent disruption, such as a prolonged interruption of our transaction processing services. In the event that an interruption extends for more than several hours, we may experience data loss or a reduction in revenues by reason of such interruption. Any significant interruption of service could reduce revenue, have a negative impact on our reputation, result in damage claims, lead our present and potential customers to choose other service providers, and lead to increased regulatory scrutiny of the critical services we provide to financial institutions, with resulting increases in compliance burdens and costs.

**Failures associated with payment transactions could result in financial loss.** The volume and dollar amount of payment transactions that we process is significant and continues to grow. We settle funds on behalf of financial institutions, other businesses and consumers and receive funds from clients, card issuers, payment networks and consumers on a daily basis for a variety of transaction types. Transactions facilitated by us include debit card, credit card, electronic bill payment transactions, Automated Clearing House ("ACH") payments and check clearing that support consumers, financial institutions and other businesses. If the continuity of operations, integrity of processing, or ability to detect or prevent fraudulent payments were compromised in connection with payments transactions, this could result in financial as well as reputational loss to us. In addition, we rely on various third parties to provide services in support of the processing of transactions and funds settlement for certain of our products. If we are unable to obtain such services in the future, that could have a material adverse effect on our business, financial position and results of operations. In addition, we may issue credit to consumers, financial institutions or other businesses as part of the funds settlement. A default on this credit by a counterparty could result in a financial loss to us.

**The services we provide to our customers are subject to government regulation that could hinder the development of our business, increase costs, or impose constraints on the way we conduct our operations.** The financial services industry is subject to extensive and complex federal and state regulation. As a supplier of services to financial institutions, portions of our operations are examined by the Office of the Comptroller of the Currency, the Federal Reserve Board, the Federal Deposit Insurance Corporation, and the National Credit Union Association, among other regulatory agencies. These agencies regulate services we provide and the manner in which we operate, and we are required to comply with a broad range of applicable laws and regulations.

In addition, existing laws, regulations, and policies could be amended or interpreted differently by regulators in a manner that imposes additional costs and has a negative impact on our existing operations or that limits our future growth or expansion. The Dodd-Frank Wall Street Reform and Consumer Protection Act, signed into law in 2010, significantly changed the regulation of the financial services industry, producing new regulatory agencies and voluminous new regulations, some of which are still being written. The Consumer Financial Protection Bureau was established, which is implementing numerous new regulations applicable to "supervised service providers" such as the Company. These new regulations may require additional programming or other costly changes in our processes or personnel. Our customers are also regulated entities, and actions by regulatory authorities could determine both the decisions they make concerning the purchase of data processing and other services and the timing and implementation of these decisions. Concerns are growing with respect to the use, confidentiality, and security of private customer information. Regulatory agencies, Congress and state legislatures are considering numerous regulatory and statutory proposals to protect the interests of consumers and to require compliance with standards and policies that have not been defined.

**The software we provide to our customers is also affected by government regulation.** We are generally obligated to our customers to provide software solutions that comply with applicable federal and state regulations. In particular, numerous new regulations have been proposed and are still being written to implement the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010. Substantial software research and development and other corporate resources have been and will continue to be applied to adapt our software products to this evolving, complex and often unpredictable regulatory environment. Our failure to provide compliant solutions could result in significant fines or consumer liability on our customers, for which we may bear ultimate liability.

**A material weakness in our internal controls could have a material adverse effect on us.** Effective internal controls are necessary for us to provide reasonable assurance with respect to our financial reports and to mitigate risk of fraud. If additional material weaknesses in our internal control are discovered or occur in the future, our consolidated financial statements may contain material misstatements and we could be required to restate our financial results, which could materially and adversely affect our business and results of operations or financial condition, restrict our ability to access the capital markets, require us to expend significant resources to correct the weaknesses or deficiencies, subject us to fines, penalties or judgments, harm our reputation or otherwise cause a decline in investor confidence.

**Our business may be adversely impacted by U.S. and global market and economic conditions.** We derive most of our revenue from products and services we provide to the financial services industry. If the economic environment worsens, we could face a reduction in demand from current and potential clients for our products and services, which could have a material adverse effect on our business, results of operations and financial condition. In addition, a growing portion of our revenue is derived from transaction processing fees, which depend heavily on levels of consumer and business spending. Deterioration in general economic conditions could reduce transaction volumes and the Company's related revenues.

**Changes in the banking and credit union industry could reduce demand for our products .** Cyclical fluctuations in economic conditions affect profitability and revenue growth at commercial banks and credit unions. Because our business is concentrated in financial institutions, unfavorable economic conditions negatively affect the spending of banks and credit unions, including spending on computer software and hardware. Such conditions could reduce both our sales to new customers and upgrade/complementary product sales to existing customers. The Company could also experience the loss of customers due to their acquisition or financial failure.

**Competition or general economic conditions may result in decreased demand or require price reductions or other concessions to customers which could result in lower margins and reduce income.** We vigorously compete with a variety of software vendors and service providers in all of our major product lines. We compete on the basis of product quality, reliability, performance, ease of use, quality of support and services, integration with other products and pricing. Some of our competitors may have advantages over us due to their size, product lines, greater marketing resources, or exclusive intellectual property rights. New competitors regularly appear with new products, services and technology for financial institutions. If competitors offer more favorable pricing, payment or other contractual terms, warranties, or functionality, or if general economic conditions decline such that customers are less willing or able to pay the cost of our products and services, we may need to lower prices or offer favorable terms in order to successfully compete.

**The loss of key employees could adversely affect our business.** We depend on the contributions and abilities of our senior management and other key employees. Our Company has grown significantly in recent years and our management remains concentrated in a small number of highly qualified individuals. If we lose one or more of our key employees, we could suffer a loss of managerial experience, and management resources would have to be diverted from other activities to compensate for this loss. We do not have employment agreements with any of our executive officers.

**Our failure to comply with regulations or to meet regulatory expectations could adversely affect our business and results of operations.** While much of our operations are not directly subject to regulations applicable to financial institutions, as a provider of processing services to such institutions, we are examined on a regular basis by various regulatory authorities. If we fail to comply with applicable regulations or guidelines, we could be subject to regulatory actions or rating changes and suffer harm to our customer relationships and reputation. Such failures could require significant expenditures to correct and could negatively affect our ability to retain customers and obtain new customers.

**Our failure to comply with the rules of the payment card networks could adversely affect our business.** We are subject to card association and network rules governing Visa, MasterCard and similar organizations, including the Payment Card Data Security Standards. If we fail to comply with these rules we could be fined or our certifications could be suspended or terminated, which could limit our ability to service our customers and result in reductions in revenues and increased costs of operations.

**If we fail to adapt our products and services to changes in technology and the markets we serve, we could lose existing customers and be unable to attract new business.** The markets for our software and hardware products and services are characterized by changing customer and regulatory requirements and rapid technological changes. These factors and new product introductions by our existing competitors or by new market entrants could reduce the demand for our existing products and services and we may be required to develop or acquire new products and services. Our future success is dependent on our ability to enhance our existing products and services in a timely manner and to develop or acquire new products and services. If we are unable to develop or acquire new products and services as planned, or if we fail to sell our new or enhanced products and services, we may incur unanticipated expenses or fail to achieve anticipated revenues, as well as lose prospective sales.

**Our growth may be affected if we are unable to find or complete suitable acquisitions.** We have augmented the growth of our business with a number of acquisitions and we plan to continue to acquire appropriate businesses, products and services. This strategy depends on our ability to identify, negotiate and finance suitable acquisitions. Merger and acquisition activity in our industry has affected the availability and pricing of such acquisitions. If we are unable to acquire suitable acquisition candidates, we may experience slower growth.

**If others claim that we have infringed their intellectual property rights, we could be liable for significant damages or could be required to change our processes.** We have agreed to indemnify many of our customers against claims that our products and services infringe on the proprietary rights of others. Infringement claims have been and will in the future be asserted with regard to our software solutions and services. Such claims, whether with or without merit, are time-consuming, may result in costly litigation and may not be resolved on terms favorable to us. If our defense of such claims is not successful, we could be forced to pay damages or could be subject to injunctions that would cause us to cease making or selling certain applications or force us to redesign applications.

**Consolidation and failures of financial institutions will continue to reduce the number of our customers and potential customers.** Our primary market consists of more than 5,870 commercial and savings banks and more than 6,000 credit unions. The number of commercial banks and credit unions has decreased because of failures and mergers and acquisitions and is expected to continue to decrease as more consolidation occurs.

**Acquisitions may be costly and difficult to integrate.** We have acquired a number of businesses in the past and will continue to explore acquisitions in the future. We may not be able to successfully integrate acquired companies. We may encounter problems with the integration of new businesses including: financial control and computer system compatibility; unanticipated costs; unanticipated quality or customer problems with acquired products or services; differing regulatory and industry standards; diversion of management's attention; adverse effects on existing business relationships with suppliers and customers; loss of key employees; and significant amortization expenses related to acquired assets. To finance future acquisitions, we may have to increase our borrowing or sell equity or debt securities to the public. If we fail to integrate our acquisitions, our business, financial condition and results of operations could be materially and adversely affected. Failed acquisitions could also produce material and unpredictable impairment charges as we periodically review our acquired assets.

**We may not be able to manage growth.** We have grown both internally and through acquisitions. Our expansion has and will continue to place significant demands on our administrative, operational, financial and management personnel



and systems. We may not be able to enhance and expand our product lines, manage costs, adapt our infrastructure and modify our systems to accommodate future growth.

**Expansion of services to non-traditional customers could expose us to new risks.** We have expanded our services to business lines that are marketed outside our traditional, regulated, and litigation-averse base of financial institution customers. These non-regulated customers may entail greater operational, credit and litigation risks than we have faced before and could result in increases in bad debts and litigation costs.

**Failure to achieve favorable renewals of service contracts could negatively affect our outsourcing business.** Our contracts with our customers for outsourced data processing services generally run for a period of five or more years. We will continue to experience greater numbers of these contracts coming up for renewal each year. Renewal time presents our customers with the opportunity to consider other providers or to renegotiate their contracts with us. If we are not successful in achieving high renewal rates upon favorable terms, our outsourcing revenues and profit margins will suffer.

**The impairment of a significant portion of our goodwill and intangible assets would adversely affect our results of operations.** Our balance sheet includes goodwill and intangible assets that represent a significant portion of our total assets at June 30, 2017 . On an annual basis, and whenever circumstances require, we review our intangible assets for impairment. If the carrying value of a material asset is determined to be impaired, it will be written down to fair value by a charge to operating earnings. An impairment of a significant portion of these intangible assets could have a material negative effect on our operating results.

#### **ITEM 1B. UNRESOLVED STAFF COMMENTS**

None.

#### **ITEM 2. PROPERTIES**

We own 154 acres located in Monett, Missouri on which we maintain nine office buildings, plus shipping & receiving and maintenance buildings. We also own buildings in Houston, Texas; Allen, Texas; Albuquerque, New Mexico; Birmingham, Alabama; Lenexa, Kansas; Angola, Indiana; Shawnee Mission, Kansas; Rogers, Arkansas; Oklahoma City, Oklahoma; Elizabethtown, Kentucky; Springfield, Missouri and San Diego, California. Our owned facilities represent approximately 1,000,000 square feet of office space in ten states. We have 35 leased office facilities in 20 states, which total approximately 653,000 square feet. All of our owned and leased office facilities are for normal business purposes.

Of our facilities, the Credit Union segment uses office space totaling approximately 195,500 square feet in fifteen facilities. The majority of our San Diego, California offices are used in the Credit Union segment, as are portions of fourteen other office facilities. The remainder of our leased and owned facilities, approximately 1,457,500 square feet of office space, is primarily devoted to serving our Bank segment or supports our whole business.

We own four aircraft. Many of our customers are located in communities that do not have an easily accessible commercial airline service. We primarily use our airplanes in connection with implementation, sales of systems and internal requirements for day-to-day operations. Transportation costs for implementation and other customer services are billed to our customers. We lease property, including real estate and related facilities, at the Monett, Missouri regional airport.

#### **ITEM 3. LEGAL PROCEEDINGS**

We are subject to various routine legal proceedings and claims arising in the ordinary course of our business. In the opinion of management, any liabilities resulting from current lawsuits are not expected, either individually or in the aggregate, to have a material adverse effect on our consolidated financial statements. In accordance with U.S. GAAP, we record a liability when it is both probable that a liability has been incurred and the amount of the loss can be reasonably estimated. These liabilities are reviewed at least quarterly and adjusted to reflect the impacts of negotiations, settlements, rulings, advice of legal counsel, and other information and events pertaining to a particular case or proceeding.

#### **ITEM 4. MINE SAFETY DISCLOSURES**

None.

PART II

**ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES**

The Company's common stock is quoted on the NASDAQ Global Select Market ("NASDAQ") under the symbol "JKHY". The following table sets forth, for the periods indicated, the high and low sales price per share of the common stock as reported by NASDAQ.

	Fiscal 2017		Fiscal 2016	
	High	Low	High	Low
<b>Fourth Quarter</b>	\$ 106.46	\$ 91.50	\$ 87.27	\$ 80.44
<b>Third Quarter</b>	95.64	88.11	86.23	73.19
<b>Second Quarter</b>	91.06	79.00	79.92	68.31
<b>First Quarter</b>	89.89	85.00	71.75	63.84

The Company established a practice of paying quarterly dividends at the end of fiscal 1990 and has paid dividends with respect to every quarter since that time. Quarterly dividends per share paid on the common stock for the two most recent fiscal years ended 2017 and 2016 are as follows:

	Fiscal 2017	Fiscal 2016
<b>Fourth Quarter</b>	\$ 0.310	\$ 0.280
<b>Third Quarter</b>	0.310	0.280
<b>Second Quarter</b>	0.280	0.250
<b>First Quarter</b>	0.280	0.250

The declaration and payment of any future dividends will continue to be at the discretion of our Board of Directors and will depend upon, among other factors, our earnings, capital requirements, contractual restrictions, and operating and financial condition. The Company does not currently foresee any changes in its dividend practices.

On August 16, 2017, there were approximately 94,800 holders of the Company's common stock, including individual participants in security position listings. On that same date the last sale price of the common shares as reported on NASDAQ was \$101.59 per share.

**Issuer Purchases of Equity Securities**

The following shares of the Company were repurchased during the quarter ended June 30, 2017 :

	Total Number of Shares Purchased <sup>(1)</sup>	Average Price of Share	Total Number of Shares Purchased as Part of Publicly Announced Plans <sup>(1)</sup>	Maximum Number of Shares that May Yet Be Purchased Under the Plans <sup>(2)</sup>
<b>April 1- April 30, 2017</b>	—	\$ —	—	4,580,404
<b>May 1- May 31, 2017</b>	—	\$ —	—	4,580,404
<b>June 1- June 30, 2017</b>	250,345	\$ 105.02	250,000	4,330,404
<b>Total</b>	<b>250,345</b>	<b>\$ 105.02</b>	<b>250,000</b>	<b>4,330,404</b>

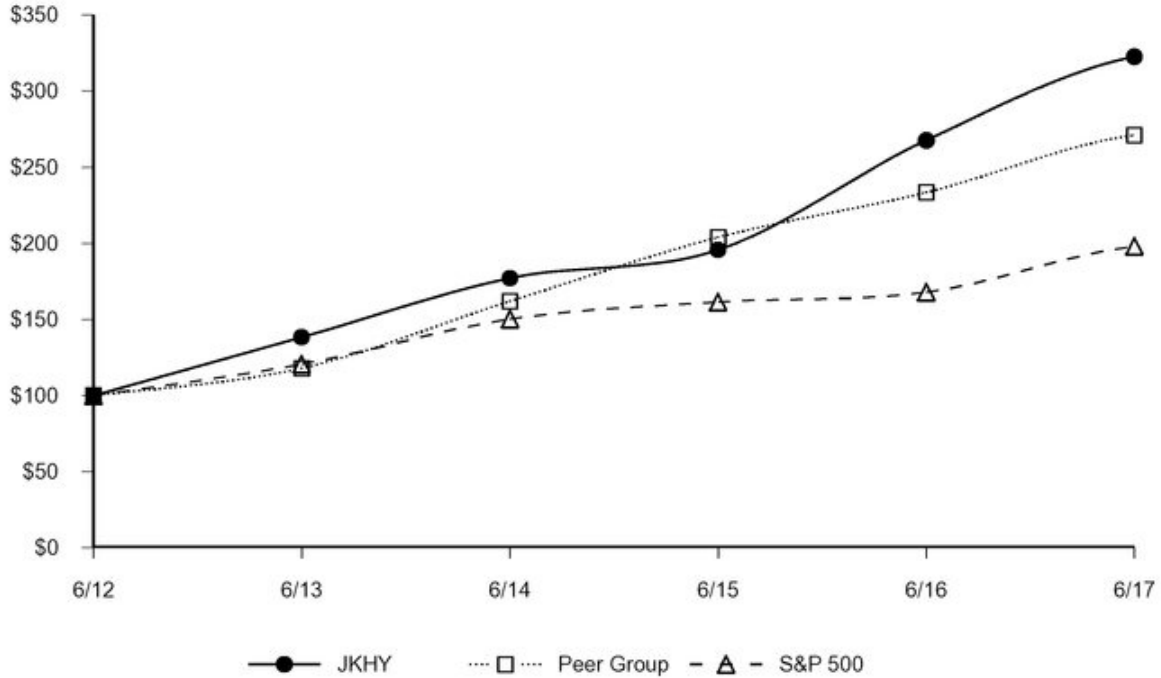
<sup>(1)</sup> 250,000 shares were purchased through a publicly announced repurchase plan. There were 345 shares surrendered to the Company to satisfy tax withholding obligations in connection with employee restricted stock awards.

<sup>(2)</sup> Total stock repurchase authorizations approved by the Company's Board of Directors as of February 17, 2015 were for 30.0 million shares. These authorizations have no specific dollar or share price targets and no expiration dates.

**Performance Graph**

The following chart presents a comparison for the five-year period ended June 30, 2017, of the market performance of the Company's common stock with the S&P 500 Index and an index of peer companies selected by the Company:

**COMPARISON OF 5 YEAR CUMULATIVE TOTAL RETURN**  
Among Jack Henry & Associates, Inc., the S&P 500 Index, and a Peer Group



The following information depicts a line graph with the following values:

	2012	2013	2014	2015	2016	2017
<b>JKHY</b>	100.00	138.34	177.10	195.72	267.64	322.60
<b>Peer Group</b>	100.00	117.87	161.90	203.87	233.39	271.10
<b>S&amp;P 500</b>	100.00	120.60	150.27	161.43	167.87	197.92

This comparison assumes \$100 was invested on June 30, 2012, and assumes reinvestments of dividends. Total returns are calculated according to market capitalization of peer group members at the beginning of each period. Peer companies selected are in the business of providing specialized computer software, hardware and related services to financial institutions and other businesses.

Companies in the Peer Group are ACI Worldwide, Inc.; Bottomline Technology, Inc.; Broadridge Financial Solutions; Cardtronics, Inc.; Convergys Corp.; Corelogic, Inc.; DST Systems, Inc.; Euronet Worldwide, Inc.; Fair Isaac Corp.; Fidelity National Information Services, Inc.; Fiserv, Inc.; Global Payments, Inc.; Moneygram International, Inc.; SS&C Technologies Holdings, Inc.; Total Systems Services, Inc.; Tyler Technologies, Inc.; Verifone Systems, Inc.; and WEX, Inc..

**ITEM 6. SELECTED FINANCIAL DATA****Selected Financial Data**

(In Thousands, Except Per Share Data)

<b>Income Statement Data</b>	<b>YEAR ENDED JUNE 30,</b>				
	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
Revenue (1)	\$ 1,431,117	\$ 1,354,646	\$ 1,256,190	\$ 1,173,173	\$ 1,107,524
Net Income	\$ 245,793	\$ 248,867	\$ 211,221	\$ 186,715	\$ 167,610
Basic earnings per share	\$ 3.16	\$ 3.13	\$ 2.60	\$ 2.20	\$ 1.95
Diluted earnings per share	\$ 3.14	\$ 3.12	\$ 2.59	\$ 2.19	\$ 1.94
Dividends declared per share	\$ 1.18	\$ 1.06	\$ 0.94	\$ 0.84	\$ 0.56
<b>Balance Sheet Data</b>					
Total deferred revenue	\$ 511,384	\$ 521,054	\$ 531,987	\$ 492,868	\$ 439,596
Total assets	\$ 1,908,945	\$ 1,815,512	\$ 1,836,835	\$ 1,680,703	\$ 1,672,386
Long-term debt	\$ 50,000	\$ —	\$ 50,102	\$ 3,729	\$ 7,366
Stockholders' equity	\$ 1,032,051	\$ 996,210	\$ 991,534	\$ 967,387	\$ 1,015,816

(1) Revenue includes license sales, support and service revenues, and hardware sales, less returns and allowances.

**ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS**

The following section provides management's view of the financial condition and results of operations and should be read in conjunction with the Selected Financial Data, the audited Consolidated Financial Statements, and related notes included elsewhere in this report.

**OVERVIEW**

Jack Henry & Associates, Inc. (JHA) is headquartered in Monett, Missouri, employs nearly 6,100 associates nationwide, and is a leading provider of technology solutions and payment processing services primarily for financial services organizations. Its solutions serve over 9,000 customers and are marketed and supported through three primary brands. Jack Henry Banking® supports banks ranging from community banks to multi-billion dollar institutions with assets up to \$50 billion, with information and transaction processing solutions. Symitar® is a leading provider of information and transaction processing solutions for credit unions of all sizes. ProfitStars® provides highly specialized products and services that enable financial institutions of every asset size and charter, and diverse corporate entities outside the financial services industry, to mitigate and control risks, optimize revenue and growth opportunities, and contain costs. JHA's integrated solutions are available for in-house, outsourced, or hosted delivery.

Each of our brands share the fundamental commitment to provide high-quality business solutions, service levels that consistently exceed customer expectations, integration of solutions and practical new technologies. The quality of our solutions, our high service standards, and the fundamental way we do business typically foster long-term customer relationships, attract prospective customers, and have enabled us to capture substantial market share.

Through internal product development, disciplined acquisitions, and alliances with companies offering niche solutions that complement our proprietary solutions, we regularly introduce new products and services and generate new cross-sales opportunities across our three business brands. We provide compatible computer hardware for our in-house installations and secure processing environments for our outsourced and hosted solutions. We perform data conversions, software implementations, initial and ongoing customer training, and ongoing customer support services.

We believe our primary competitive advantage is customer service. Our support infrastructure and strict standards provide service levels we believe to be the highest in the markets we serve and generate high levels of customer satisfaction and retention. We consistently measure customer satisfaction using comprehensive annual surveys and randomly generated daily surveys we receive in our everyday business. Dedicated surveys are also used to grade specific aspects of our customer experience, including product implementation, education, and consulting services.

A significant proportion of our revenue is derived from recurring outsourcing fees and electronic payment transaction processing fees that predominantly have contract terms of five years or greater at inception. Support and service fees also include in-house maintenance fees which primarily contain annual contract terms, implementation services revenue, and bundled services revenue, which is a combination of license, implementation, and maintenance revenue

from our revenue arrangements. Less predictable software license fees and hardware sales complement our primary revenue sources. We continually seek opportunities to increase revenue while at the same time containing costs to expand margins.

During the last five fiscal years, our revenues have grown from \$1,107,524 in fiscal 2013 to \$ 1,431,117 in fiscal 2017 . Net income has grown from \$167,610 in fiscal 2013 to \$245,793 in fiscal 2017 . This growth has resulted primarily from internal expansion.

We have two reportable segments: bank systems and services and credit union systems and services. The respective segments include all related license, support and service, and hardware sales along with the related cost of sales.

We continue to focus on our objective of providing the best integrated solutions, products and customer service to our clients. We are cautiously optimistic regarding ongoing economic improvement and expect our clients to continue investing in our products and services to improve their operating efficiencies and performance. We anticipate that consolidation within the financial services industry will continue. Regulatory conditions and legislation will continue to impact financial institutions' discretionary spending.

A detailed discussion of the major components of the results of operations follows. All dollar and share amounts are in thousands and discussions compare fiscal 2017 to fiscal 2016 and compare fiscal 2016 to fiscal 2015 .

## RESULTS OF OPERATIONS

### FISCAL 2017 COMPARED TO FISCAL 2016

In fiscal 2017 , revenues increased 6% or \$76,471 compared to fiscal 2016 , with strong growth continuing in our support and service revenues, particularly our outsourcing services, electronic payment services, and bundled services. Cost of sales increased 6% , in line with revenue, and gross profit increased 5% . The company continues to focus on cost management.

Net operating expenses increased 11% year over year, due mainly to the gain on the sale of our Alogent business ("Alogent") to Antelope Acquisition Co., an affiliate of Battery Ventures, in the prior year, which is discussed below in the operating expenses section. Provision for income taxes increased 9% compared to the prior year, due a lower prior year effective tax rate, which is described in the following discussion. The above changes resulted in a 1% decrease in net income for fiscal 2017 .

We move into fiscal 2018 following a strong performance in fiscal 2017 . Significant portions of our business continue to provide recurring revenue and our healthy sales pipeline is also encouraging. Our customers continue to face regulatory and operational challenges which our products and services address, and in these times they have an even greater need for our solutions that directly address institutional profitability, efficiency, and security. Our strong balance sheet, access to extensive lines of credit, the strength of our existing product line and an unwavering commitment to superior customer service position us well to address current and future opportunities.

A detailed discussion of the major components of the results of operations for the fiscal year ended June 30, 2017 follows. All dollar amounts are in thousands and discussions compare the current fiscal year ended June 30, 2017 to the prior fiscal year ended June 30, 2016 .

### REVENUE

#### License Revenue

	Year Ended June 30,		% <u>Change</u>
	<u>2017</u>	<u>2016</u>	
License	\$ 2,385	\$ 3,041	(22)%
Percentage of total revenue	<1%	<1%	

License revenue represents the sale and delivery of application software systems contracted with us by the customer, which are not part of a bundled arrangement. We license our proprietary software products under standard license agreements that typically provide the customer with a non-exclusive, non-transferable right to use the software on a single computer and for a single financial institution.

Non-bundled license revenue decreased due mainly to a reduction in standalone license sales in our Bank segment, with Alogent headwinds accounting for \$570 of that decrease. Excluding the Alogent headwind, license revenue decreased 3% . Such license fees will fluctuate as non-bundled license sales are sporadic in nature.

**Support and Service Revenue**

	Year Ended June 30,		<u>% Change</u>
	<u>2017</u>	<u>2016</u>	
Support and service	\$ 1,384,338	\$ 1,300,978	6%
Percentage of total revenue	97%	96 %	

	<u>Year over Year</u>	
	<u>\$ Change</u>	<u>% Change</u>
In-House Support & Other Services	\$ 2,790	1 %
Electronic Payment Services	26,930	5 %
Outsourcing Services	39,822	13 %
Implementation Services	(8,837)	(14)%
Bundled Products & Services	22,655	24 %
<b>Total Increase</b>	<b>\$ 83,360</b>	

Support and service revenues are generated from supporting our in-house customers in operating their systems and to enhance and update the software, electronic payment services, outsourced data processing services, implementation services (including conversion, installation, configuration and training) and revenue from our bundled software multi-element agreements. There was growth in most support and service revenue components in fiscal 2017, despite Alogent revenue of \$27,673 included in the prior year. Excluding that headwind, support and services grew 9%.

In-house support and other services revenue increased despite headwinds of \$13,062 created from the Alogent sale. Excluding the Alogent headwind, in-house support and other services revenue increased 5%. The increase was due mainly to increased revenue from work orders and from customers consulting with our Client Services Consulting group. The group's operational assessments help banks and credit unions maximize their operating efficiency and productivity, identify new revenue and market opportunities, and reduce costs.

Electronic payment services continued to show growth over the prior year. The revenue increases are mainly attributable to strong performance across debit/credit card risk management and transaction processing services, remote capture and ACH processing, and online bill payment services. Deconversion fees (fees charged when customer agreements are terminated prior to the end of their contracted term) for electronic payment services decreased \$2,901 compared to the prior year. Excluding these fees from both years, electronic payment services revenue increased 6%.

Outsourcing services for banks and credit unions continue to drive revenue growth as customers continue to show a preference for outsourced delivery of our solutions. Revenues from outsourcing services are typically earned under multi-year service contracts and therefore provide a long-term stream of recurring revenues. We expect the trend towards outsourced product delivery to benefit outsourcing services revenue for the foreseeable future. The increase in outsourcing revenue was mainly due to data processing. Deconversion fees within outsourcing services increased \$4,736. Excluding these fees from both years, outsourcing services revenue increased 12%.

Implementation services include implementation services for our electronic payment services customers as well as standalone customization services, merger conversion services, image conversion services and network monitoring services. Implementation services revenue decreased due partly to Alogent headwinds of \$4,465, with the remainder of the decrease due mainly to a decline in stand-alone implementations in the Bank segment. Revenue from these standalone services has decreased as implementation services related to our bundled arrangements have increased.

Bundled products and services revenue is combined revenue from the multiple elements in our bundled arrangements, including license, implementation services and maintenance, which cannot be recognized separately due to a lack of vendor-specific objective evidence of fair value. Bundled products and services revenue increased, despite \$10,145 of Alogent headwinds, mostly due to terminations of pending products and services on certain contracts that have allowed for the release of revenue that was being deferred until contract completion in both our Bank and Credit Union core and complementary arrangements, as well as increased revenue being released due to completion of final installations and services on our Bank multiple element arrangements.

**Hardware Revenue**

	Year Ended June 30,		<u>% Change</u>
	<u>2017</u>	<u>2016</u>	
Hardware	\$ 44,394	\$ 50,627	(12)%
Percentage of total revenue	3%	4%	

The Company has entered into re-marketing agreements with several hardware manufacturers and suppliers under which we sell computer hardware, hardware maintenance and related services to our customers. Revenue related to hardware sales is recognized when the hardware is shipped to our customers.

Hardware revenue decreased due to decreases in revenue from power systems, servers, and other complementary hardware products delivered. Although there will be quarterly fluctuations, we expect an overall decreasing trend in hardware sales to continue due to the change in sales mix towards outsourcing contracts, which typically do not include hardware, and the general deflationary trend of computer prices.

### COST OF SALES AND GROSS PROFIT

Cost of license represented the cost of software from third-party vendors associated with non-bundled application software licenses. These costs were recognized when license revenue was recognized.

Cost of support and service represented costs associated with conversion and implementation efforts, ongoing support for our customers, operation of our data and item centers providing services for our outsourced customers, electronic payment services and direct operating costs. These costs were recognized as they were incurred or, for direct costs associated with obtaining and implementing our bundled arrangements, they were deferred and recognized ratably as the related revenues for these arrangements are recognized, typically beginning when Post Contract Support ("PCS") is the only remaining undelivered element, and ending at the end of the initial bundled PCS term.

Cost of hardware consisted of the direct and indirect costs of purchasing the equipment from the manufacturers and delivery to our customers. These costs were recognized at the same time as the related hardware revenue was recognized. Ongoing operating costs to provide support to our customers were recognized as they were incurred.

	Year Ended June 30,		%
	2017	2016	Change
<b>Cost of License</b>	\$ 730	\$ 1,197	(39)%
Percentage of total revenue	<1%	<1%	
License Gross Profit	\$ 1,655	\$ 1,844	(10)%
Gross Profit Margin	69%	61%	
<b>Cost of support and service</b>	\$ 786,143	\$ 737,108	7 %
Percentage of total revenue	55%	54%	
Support and Service Gross Profit	\$ 598,195	\$ 563,870	6 %
Gross Profit Margin	43%	43%	
<b>Cost of hardware</b>	\$ 32,161	\$ 35,346	(9)%
Percentage of total revenue	2%	3%	
Hardware Gross Profit	\$ 12,233	\$ 15,281	(20)%
Gross Profit Margin	28%	30%	
<b>TOTAL COST OF SALES</b>	\$ 819,034	\$ 773,651	6 %
Percentage of total revenue	57%	57%	
<b>TOTAL GROSS PROFIT</b>	\$ 612,083	\$ 580,995	5 %
Gross Profit Margin	43%	43%	

Cost of license consists of the direct costs of third-party software that are a part of a non-bundled arrangement. Sales of these third-party software products decreased compared to the last year. Shifts in sales mix between the products that make up these costs cause fluctuations in the margins from period to period.

Cost of support and service for fiscal 2016 includes \$12,332 related to Alogent sales. Excluding those costs, our cost of support and service increased 8%. Gross profit margins in support and service remained consistent with the prior year.

In general, changes in cost of hardware trend consistently with hardware revenue. For the current period, margins were lower due to decreased sales of higher margin hardware upgrade products compared to the prior year.

**OPERATING EXPENSES****Selling and Marketing**

	Year Ended June 30,		%
	<u>2017</u>	<u>2016</u>	<u>Change</u>
Selling and marketing	\$ 93,297	\$ 90,079	4%
Percentage of total revenue	7%	7%	

Dedicated sales forces, inside sales teams, technical sales support teams and channel partners conduct our sales efforts for our two reportable segments, and are overseen by regional and national sales managers. Our sales executives are responsible for pursuing lead generation activities for new core customers. Our account executives nurture long-term relationships with our client base and cross sell our many complementary products and services.

Selling and marketing expenses increased compared to fiscal 2016 due mainly to increased commission expense, but remained a consistent percentage of total revenue in both periods.

**Research and Development**

	Year Ended June 30,		%
	<u>2017</u>	<u>2016</u>	<u>Change</u>
Research and development	\$ 84,753	\$ 81,234	4%
Percentage of total revenue	6%	6%	

We devote significant effort and expense to develop new software, service products and continually upgrade and enhance our existing offerings. We believe our research and development efforts are highly efficient because of the extensive experience of our research and development staff and because our product development is highly customer-driven.

Research and development expenses increased primarily due to a 4% increase in headcount, but were consistent with the prior year as a percentage of total revenue.

**General and Administrative**

	Year Ended June 30,		%
	<u>2017</u>	<u>2016</u>	<u>Change</u>
General and administrative	\$ 69,601	\$ 67,514	3%
Percentage of total revenue	5%	5%	

General and administrative costs included all expenses related to finance, legal, and human resources, plus all administrative costs. These expenses increased primarily due to a 4% increase in headcount, but were a consistent percentage of revenue in each year.

**Gains on Disposal of Businesses**

In fiscal 2017, we recognized gains on the disposals of businesses totaling \$3,270. \$2,136 was related to last year's sale of Alogent, and \$1,134 related to the sale of our Regulatory Filing products to Fed Reporter on May 1, 2017. In fiscal 2016, we had a gain totaling \$19,491, due to the sale of Alogent.

**INTEREST INCOME AND EXPENSE**

	Year Ended June 30,		%
	<u>2017</u>	<u>2016</u>	<u>Change</u>
Interest Income	\$ 248	\$ 307	(19)%
Interest Expense	\$ (996)	\$ (1,430)	(30)%

Interest income fluctuated due to changes in invested balances and yields on invested balances. Interest expense remained low for both the current and prior years, in line with our average debt balances in both years.

**PROVISION FOR INCOME TAXES**

	Year Ended June 30,		%
	<u>2017</u>	<u>2016</u>	<u>Change</u>
Provision For Income Taxes	\$ 121,161	\$ 111,669	9%
Effective Rate	33.0%	31.0%	



The increase in the effective tax rate was primarily due the prior year's rate being reduced by the tax basis in excess of book basis in Alogent stock at disposal.

**NET INCOME**

Net income decreased 1% to \$245,793 , or \$3.14 per diluted share, in fiscal 2017 from \$248,867 , or \$3.12 per diluted share, in fiscal 2016 . This decrease was due to factors discussed above, including the prior year Alogent gain and lower effective tax rate in fiscal 2016 .

**FISCAL 2016 COMPARED TO FISCAL 2015**

In fiscal 2016 , revenues increased 8% or \$98,456 compared to fiscal 2015 due primarily to strong growth in our support and service revenues, particularly outsourcing services, bundled services, and electronic payment services. Cost of sales increased just 7% , contributing to an 8% increase in gross profit.

Net operating expenses increased 1% and the provision for income taxes increased 6% compared to fiscal 2015 . The increased revenue and above changes resulted in a combined 18% increase in net income for fiscal 2016 compared to the prior fiscal year.

**REVENUE**

License Revenue	Year Ended June 30,		% <u>Change</u>
	<u>2016</u>	<u>2015</u>	
License	\$ 3,041	\$ 2,635	15%
Percentage of total revenue	<1%	<1%	

License revenue represents the sale and delivery of application software systems contracted with us by the customer, which are not part of a bundled arrangement. We license our proprietary software products under standard license agreements that typically provide the customer with a non-exclusive, non-transferable right to use the software on a single computer and for a single financial institution.

Non-bundled license revenue increased due mainly to an increase in standalone license sales in our Bank segment. Such license fees will fluctuate as non-bundled license sales are sporadic in nature.

Support and Service Revenue	Year Ended June 30,		% <u>Change</u>
	<u>2016</u>	<u>2015</u>	
Support and service	\$ 1,300,978	\$ 1,200,652	8%
Percentage of total revenue	96%	96%	

	<u>Year over Year Change</u>	
	<u>\$ Change</u>	<u>% Change</u>
In-House Support & Other Services	\$ 17,846	6 %
Electronic Payment Services	28,325	6 %
Outsourcing Services	33,941	13 %
Implementation Services	(11,289)	(15)%
Bundled Products & Services	31,503	50 %
<b>Total Increase</b>	<b>\$ 100,326</b>	

Support and service revenues are generated from supporting our customers in operating their systems and to enhance and update the software, electronic payment services, outsourced data processing services, implementation service (including conversion, installation, configuration and training) and revenue from our bundled software multi-element agreements. There was growth in most support and service revenue components in fiscal 2016 .

In-house support and other services revenue increased due to annual maintenance renewal fee increases for both core and complementary products as our customers' assets grow and new customers began renewing their annual maintenance. Increased software usage revenue from Alogent mobile remote deposits also contributed to the increase.

Electronic payment services continued to show growth over the prior year, although that growth slowed due to some of our large customers being acquired and price compression on contract renewals in our card services offerings. The

revenue increases are mainly attributable to strong performance across debit/credit card transaction processing services, online bill payment services and ACH processing. Deconversion revenue for electronic payment services increased \$9,616 over the prior year. Excluding these fees, we had a 4% increase in electronic payment services revenue.

Outsourcing services for banks and credit unions continue to drive revenue growth as customers continue to show a preference for outsourced delivery of our solutions. Revenues from outsourcing services are typically earned under multi-year service contracts and therefore provide a long-term stream of recurring revenues. We expect the trend towards outsourced product delivery to benefit outsourcing services revenue for the foreseeable future.

Implementation services include implementation services for our electronic payment services customers as well as standalone customization services, merger conversion services, image conversion services and network monitoring services. Implementation services revenue decreased due to a decrease in stand-alone implementations in the Bank segment. Revenue from these standalone services has decreased as implementation services related to our bundled arrangements have increased.

Bundled products and services revenue is combined revenue from the multiple elements in our bundled arrangements, including license, implementation services and maintenance, which cannot be recognized separately due to a lack of vendor-specific objective evidence of fair value. Bundled products and services revenue increased over last year mainly due to increased revenues from our core and complementary credit union arrangements. \$26,567 of the increase was due to terminations of minor pending products and services on certain contracts that have allowed for the release of revenue that was being deferred until contract completion in both our Credit Union and Bank core and complementary arrangements.

#### Hardware Revenue

	Year Ended June 30,		% <u>Change</u>
	<u>2016</u>	<u>2015</u>	
Hardware	\$ 50,627	\$ 52,903	(4)%
Percentage of total revenue	4%	4%	

The Company has entered into remarketing agreements with several hardware manufacturers under which we sell computer hardware, hardware maintenance and related services to our customers. Revenue related to hardware sales is recognized when the hardware is shipped to our customers.

Hardware revenue decreased due to a decrease in complementary hardware products delivered. Although there will be quarterly fluctuations, we expect an overall decreasing trend in hardware sales to continue due to the change in sales mix towards outsourcing contracts, which typically do not include hardware, and the general deflationary trend of computer prices.

#### COST OF SALES AND GROSS PROFIT

Cost of license represented the cost of software from third-party vendors through remarketing agreements associated with non-bundled application software licenses. These costs were recognized when license revenue was recognized.

Cost of support and service represented costs associated with conversion and implementation efforts, ongoing support for our customers, operation of our data and item centers providing services for our outsourced customers, electronic payment services and direct operating costs. These costs were recognized as they were incurred or, for direct costs associated with obtaining and implementing our bundled arrangements, they are deferred and recognized ratably as the related revenues for these arrangements are recognized, typically beginning when PCS is the only remaining undelivered element, and ending at the end of the initial bundled PCS term.

Cost of hardware consisted of the direct and indirect costs of purchasing the equipment from the manufacturers and delivery to our customers. These costs were recognized at the same time as the related hardware revenue was recognized. Ongoing operating costs to provide support to our customers were recognized as they were incurred.

	Year Ended June 30,		% <u>Change</u>
	<u>2016</u>	<u>2015</u>	
<b>Cost of License</b>	\$ 1,197	\$ 1,187	1 %
Percentage of total revenue	<1%	<1%	
License Gross Profit	\$ 1,844	\$ 1,448	27 %
Gross Profit Margin	61%	55%	
<b>Cost of support and service</b>	\$ 737,108	\$ 680,750	8 %
Percentage of total revenue	54%	54%	
Support and Service Gross Profit	\$ 563,870	\$ 519,902	8 %
Gross Profit Margin	43%	43%	
<b>Cost of hardware</b>	\$ 35,346	\$ 38,399	(8)%
Percentage of total revenue	3%	3%	
Hardware Gross Profit	\$ 15,281	\$ 14,504	5 %
Gross Profit Margin	30%	27%	
<b>TOTAL COST OF SALES</b>	\$ 773,651	\$ 720,336	7 %
Percentage of total revenue	57%	57%	
<b>TOTAL GROSS PROFIT</b>	\$ 580,995	\$ 535,854	8 %
Gross Profit Margin	43%	43%	

Cost of license consisted of the direct costs of third-party software that was part of a non-bundled arrangement. Sales of these third-party software products increased slightly in fiscal 2016 compared to fiscal 2015 . Shifts in sales mix between the products that make up these costs cause fluctuations in the margins from period to period.

Gross profit margins in support and service remained consistent with the prior year.

In general, changes in cost of hardware trended consistently with hardware revenue. For fiscal year 2016 , margins were slightly higher due to increased sales of higher margin hardware upgrade products than in the prior year.

#### OPERATING EXPENSES

##### Selling and Marketing

	Year Ended June 30,		% <u>Change</u>
	<u>2016</u>	<u>2015</u>	
Selling and marketing	\$ 90,079	\$ 89,004	1%
Percentage of total revenue	7%	7%	

Dedicated sales forces, inside sales teams, technical sales support teams and channel partners conducted our sales efforts for our two reportable segments, and were overseen by regional and national sales managers. Our sales executives were responsible for pursuing lead generation activities for new core customers. Our account executives nurtured long-term relationships with our client base and cross sold our many complementary products and services.

Selling and marketing expenses for fiscal 2016 increased slightly compared to fiscal 2015 due to increased salary expense, but remained a consistent percentage of total revenue in both periods.

##### Research and Development

	Year Ended June 30,		% <u>Change</u>
	<u>2016</u>	<u>2015</u>	
Research and development	\$ 81,234	\$ 71,495	14%
Percentage of total revenue	6%	6%	

We devote significant effort and expense to develop new software, service products and continually upgrade and enhance our existing offerings.

Research and development expenses increased in fiscal 2016 over the prior fiscal year, primarily due to increased headcount and related personnel costs, but were consistent with the prior year as a percentage of total revenue.

## General and Administrative

	Year Ended June 30,		% <u>Change</u>
	<u>2016</u>	<u>2015</u>	
General and administrative	\$ 67,514	\$ 64,364	5%
Percentage of total revenue	5%	5%	

General and administrative costs included all expenses related to finance, legal, human resources, plus all administrative costs. These costs increased in fiscal 2016 primarily due to increased headcount and related salaries, but were consistent with the prior year as a percentage of total revenue.

## Gain on Disposal of Businesses

In fiscal 2016, we had a gain totaling \$19,491 due to the sale of our Alogent business to Antelope Acquisition Co., an affiliate of Battery Ventures. In fiscal 2015, we sold the TeleWeb™ suite of Internet and mobile banking software products to Data Center Inc. (DCI), resulting in a gain of \$6,874.

## INTEREST INCOME AND EXPENSE

	Year Ended June 30,		% <u>Change</u>
	<u>2016</u>	<u>2015</u>	
Interest Income	\$ 307	\$ 169	82%
Interest Expense	\$ (1,430)	\$ (1,594)	(10)%

Interest income fluctuated due to changes in invested balances and yields on invested balances. Interest expense remained low for both years.

## PROVISION FOR INCOME TAXES

	Year Ended June 30,		% <u>Change</u>
	<u>2016</u>	<u>2015</u>	
Provision For Income Taxes	\$ 111,669	\$ 105,219	6%
Effective Rate	31.0%	33.3%	

The decrease in the effective tax rate was primarily due a significant difference in the book versus tax basis in Alogent stock, as well as the retroactive permanent extension of the Research and Experimentation Credit ("R&E Credit") to January 1, 2015 during fiscal 2016.

## NET INCOME

Net income increased from \$211,221, or \$2.59 per diluted share, in fiscal 2015 to \$248,867, or \$3.12 per diluted share, in fiscal 2016. This translates to an increase of 18% in net income.

## REPORTABLE SEGMENT DISCUSSION

The Company is a leading provider of technology solutions and payment processing services primarily for financial services organizations. The Company's operations are classified into two reportable segments: bank systems and services ("Bank") and credit union systems and services ("Credit Union"). The Company evaluates the performance of its segments and allocates resources to them based on various factors, including prospects for growth, return on investment, and return on revenue.

### Bank Systems and Services

	2017	% Change	2016	% Change	2015
Revenue	\$ 1,055,763	6%	\$ 996,668	4%	\$ 962,729
Gross profit	\$ 429,441	5%	\$ 407,600	2%	\$ 400,659
Gross profit margin	41%		41%		42%

In fiscal 2017, revenue in the Bank segment increased 6% compared to the prior fiscal year, despite revenue headwinds of \$28,422 due to the sale of Alogent. The increase was due to a 7% increase in support and service revenue, partially offset by decreased hardware and stand-alone license sales. The increase in support and service revenue was driven by increases in the outsourcing services, electronic payment services, and bundled products and services revenue streams. Those increases were partly offset by decreased revenue from in-house support and other services and

implementation services, due mainly to the Alogent headwinds. Gross profit margin remained consistent with fiscal 2016 .

In fiscal 2016 , revenue in the Bank segment increased 4% compared to the prior year. The increase was due mainly to a 12% increase in outsourcing services. Gross profit margins decreased only slightly compared to fiscal 2015 .

### Credit Union Systems and Services

	2017	% Change	2016	% Change	2015
Revenue	\$ 375,354	5%	\$ 357,978	22%	\$ 293,461
Gross profit	\$ 182,642	5%	\$ 173,395	28%	\$ 135,195
Gross profit margin	49%		48%		46%

In fiscal 2017 , revenue in the Credit Union segment increased 5% due to increases in support & service revenue totaling 6%, partially offset by decreased hardware and stand-alone license revenue. Support & service revenues grew through increases in bundled services, in-house maintenance renewals and outsourcing services, partly offset by decreased electronic payment services and implementation services revenue. The increase in bundled services was due to an increase in terminations of pending products and service obligations on certain contracts allowing for earlier recognition of revenue on our bundled arrangements. The decrease in electronic payment services revenue was mainly due to decreased deconversion fees and decreased revenue from card manufacturing. Gross profit margin for the Credit Union segment increased 1% .

In fiscal 2016 , revenue in the Credit Union segment increased 22% due to increases in support & service revenue. Support & service revenues grew 22% through increases in electronic payment services, in-house maintenance renewals, and bundled services. Gross profit margins for the Credit Union segment increased 2% mainly due to economies of scale realized from growing transaction volume in our payment processing services.

### LIQUIDITY AND CAPITAL RESOURCES

The Company's cash and cash equivalents increased to \$114,765 at June 30, 2017 from \$70,310 at June 30, 2016 . The increase from June 30, 2016 is primarily due to cash generated from operations.

The following table summarizes net cash from operating activities in the statement of cash flows:

	Year Ended	
	June 30,	
	2017	2016
Net income	\$ 245,793	\$ 248,867
Non-cash expenses	186,626	161,004
Change in receivables	(22,499)	(13,735)
Change in deferred revenue	(8,800)	4,364
Change in other assets and liabilities	(43,798)	(34,078)
Net cash provided by operating activities	\$ 357,322	\$ 366,422

Cash provided by operating activities decreased 2% compared to fiscal 2016 . Cash from operations is primarily used to repay debt, pay dividends, repurchase stock, and for capital expenditures.

Cash used in investing activities for fiscal 2017 totaled \$141,586 and included: capital expenditures on facilities and equipment of \$41,947 , which was mainly for the purchase of computer equipment; \$89,631 for the ongoing enhancements and development of existing and new product offerings; and \$16,608 for the purchase and development of internal use software. This was partially offset by \$5,632 of proceeds from the sale of businesses and \$968 of proceeds from the sale of assets. Cash used in investing activities for fiscal 2016 totaled \$135,963 and included: capital expenditures on facilities and equipment of \$56,325 , which mainly included the purchase of computer equipment and aircraft, \$96,411 for the development of software, \$11,826 for the purchase and development of internal use software, and \$8,275 , net of cash acquired, for the acquisition of Bayside Business Solutions. These expenditures were partially offset by \$34,030 of proceeds from the sale of our Alogent division and \$2,844 of proceeds from the sale of assets.

Financing activities used cash of \$171,281 for fiscal 2017 . Cash used was \$130,140 for the purchase of treasury shares, repayment of the revolving credit facility and capital leases of \$30,200 , and dividends paid to stockholders of

\$91,707 . This was partially offset by borrowings of \$80,000 against our revolving credit facility and \$766 net cash inflow from the issuance of stock and tax related to stock-based compensation. Financing activities used cash in fiscal 2016 of \$308,462 . Cash used was \$175,662 for the purchase of treasury shares, repayments of the revolving credit facility and capital leases totaling \$152,500 , and dividends paid to stockholders of \$84,118 . This was partially offset by borrowings of \$100,000 and \$3,818 net cash inflow from the issuance of stock and tax related to stock-based compensation.

### **Capital Requirements and Resources**

The Company generally uses existing resources and funds generated from operations to meet its capital requirements. Capital expenditures totaling \$41,947 and \$56,325 for the twelve months ending June 30, 2017 and June 30, 2016 , respectively, were made primarily for additional equipment and the improvement of existing facilities. These additions were funded from cash generated by operations. At June 30, 2017 , the Company had no material outstanding purchase commitments related to property and equipment.

The Board of Directors has authorized the Company to repurchase shares of its common stock. Under this authorization, the Company may finance its share repurchases with available cash reserves or short-term borrowings on its existing credit facilities. The share repurchase program does not include specific price targets or timetables and may be suspended at any time. At June 30, 2017 , there were 25,660 shares in treasury stock and the Company had the remaining authority to repurchase up to 4,330 additional shares. The total cost of treasury shares at June 30, 2017 is \$1,006,274 . During fiscal 2017 , the Company repurchased 1,452 treasury shares for \$130,140 . At June 30, 2016 , there were 24,209 shares in treasury stock and the Company had authority to repurchase up to 5,782 additional shares.

#### *Capital leases*

The Company had previously entered into various capital lease obligations for the use of certain computer equipment, but has no capital lease obligations at June 30, 2017 . At June 30, 2016 , the Company had capital lease obligations totaling \$200 and property and equipment included assets under capital leases totaling \$2,329 , with accumulated depreciation totaling \$898 .

#### *Revolving credit facility*

The revolving credit facility allows for borrowings of up to \$300,000 , which may be increased by the Company at any time until maturity to \$600,000 . The credit facility bears interest at a variable rate equal to (a) a rate based on LIBOR or (b) an alternate base rate (the highest of (i) the Prime Rate for such day, (ii) the sum of the Federal Funds Effective Rate for such day plus 0.50% and (iii) the Eurocurrency Rate for a one month Interest Period on such day for dollars plus 1.0% ), plus an applicable percentage in each case determined by the Company's leverage ratio. The credit facility is guaranteed by certain subsidiaries of the Company. The credit facility is subject to various financial covenants that require the Company to maintain certain financial ratios as defined in the agreement. As of June 30, 2017 , the Company was in compliance with all such covenants. The revolving loan terminates February 20, 2020 and at June 30, 2017 there was a \$50,000 outstanding balance.

#### *Other lines of credit*

The Company renewed an unsecured bank credit line on April 24, 2017 which provides for funding of up to \$5,000 and bears interest at the prime rate less 1% . The credit line was renewed through April 30, 2019 . At June 30, 2017 , no amount was outstanding.

### **OFF BALANCE SHEET ARRANGEMENTS AND CONTRACTUAL OBLIGATIONS**

At June 30, 2017 , the Company's total off balance sheet contractual obligations were \$633,547 . This balance consists of \$47,991 of long-term operating leases for various facilities and equipment which expire from 2018 to 2030 and \$585,556 of purchase commitments. JHA entered a strategic services agreement with First Data® and PSCU® to provide full-service debit and credit card processing on a single platform to all existing core bank and credit union customers, as well as expand its card processing platform to financial institutions outside our core customer base. This agreement includes a purchase commitment of \$559,354 over the term of the contract. The remainder of the purchase commitments relate to open purchase orders. The contractual obligations table below excludes \$6,445 of liabilities for uncertain tax positions as we are unable to reasonably estimate the ultimate amount or timing of settlement.

Contractual obligations by period as of June 30, 2017	Less than 1 year	1-3 years	3-5 years	More than 5 years	TOTAL
Operating lease obligations	\$ 10,945	\$ 14,847	\$ 7,895	\$ 14,304	\$ 47,991
Capital lease obligations	—	—	—	—	—
Revolving credit facility, including accrued interest	—	50,048	—	—	50,048
Purchase obligations	26,202	28,518	86,875	443,961	585,556
<b>Total</b>	<b>\$ 37,147</b>	<b>\$ 93,413</b>	<b>\$ 94,770</b>	<b>\$ 458,265</b>	<b>\$ 683,595</b>

## RECENT ACCOUNTING PRONOUNCEMENTS

The Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") No. 2014-09, Revenue from Contracts with Customers in May 2014. This standard is part of an effort to create a common revenue standard for U.S. generally accepted accounting principles (U.S. GAAP) and International Financial Reporting Standards (IFRS). The new standard will supersede much of the existing authoritative literature for revenue recognition. The new model enacts a five-step process for achieving the core principle, which is that an entity should recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. In August 2015, the FASB also issued ASU No. 2015-14 which deferred the effective date of the new standard by one year, but allows early application as of the original effective date. We do not intend to adopt the provisions of the new standard early, so the standard and related amendments will be effective for the Company for its annual reporting period beginning July 1, 2018, including interim periods within that reporting period. In March 2016, the FASB issued ASU No. 2016-08, which addresses principal versus agent considerations under the new revenue standard. ASU No. 2016-10, ASU No. 2016-12, and ASU No. 2016-20 also address specific aspects of the new standard. Entities are allowed to transition to the new standard by either recasting prior periods or recognizing the cumulative effect as of the beginning of the period of adoption. The Company is currently evaluating the newly issued guidance, including which transition approach will be applied, and continuing to assess all potential impacts of the standard. We expect the adoption of this standard to have a significant impact on our revenue recognition currently subject to Accounting Standards Codification (ASC) Topic 985. We are currently in the process of implementing and testing new software to assist in applying the five-step model to our various revenue streams and comparing the results to our current accounting practices. One of the most significant expected impacts relates to the recognition of license and implementation revenue on our multi-element arrangements. We expect to recognize license and install revenue at the time of the install completion, rather than over the maintenance period of the software on our multi-element agreements. We expect revenue related to hardware, Outlink contracts, payment processing, and professional services to remain substantially unchanged.

The FASB issued ASU No. 2016-02, Leases, in February 2016. This ASU aims to increase transparency and comparability among organizations by recognizing lease assets and liabilities on the balance sheet and requiring disclosure of key information regarding leasing arrangements. ASU No. 2016-02 will be effective for Jack Henry's annual reporting period beginning July 1, 2019 and early adoption is permitted. The Company is currently assessing the impact this new standard will have on our consolidated financial statements.

The FASB issued ASU No. 2016-09, Improvements to Employee Share-Based Payment Accounting, in March 2016. The new standard is intended to simplify several aspects of the accounting and presentation of share-based payment transactions, including reporting of excess tax benefits and shortfalls, statutory minimum withholding considerations, and classification within the statement of cash flows. The standard allows a one-time accounting policy election to either account for forfeitures as they occur or continue to estimate them. ASU No. 2016-09 is effective for the Company's annual reporting period beginning July 1, 2017. Management elected to early adopt this standard as of July 1, 2016 and has elected to continue our current practice of estimating forfeitures. The adoption of this standard had the following impacts on our condensed consolidated financial statements.

- Condensed consolidated statements of income- The new standard requires that the tax effects of share-based compensation be recognized in the provision for income taxes. Previously, these amounts were recognized in additional paid-in capital. Net tax benefits related to share-based compensation awards of \$2,638 for the year ended June 30, 2017 were recognized as reductions of income tax expense. These tax benefits reduced our effective income tax rate for the year-to-date period by 0.72% , and caused an increase in basic and diluted earnings per share of \$0.03 for the year ended June 30, 2017 . In addition, in calculating potential common shares used to determine diluted earnings per share, generally accepted accounting principles require us to use the treasury stock method. The new standard requires that assumed proceeds under the treasury stock method be modified to exclude the amount of excess tax benefits that



would have been recognized in additional paid-in capital. These changes were applied on a prospective basis.

- Condensed consolidated statements of cash flows- The Company elected to apply the presentation requirements for cash flows related to excess tax benefits retrospectively; however, fiscal 2015 was not restated due to immateriality. The restatement for fiscal 2016 resulted in an increase to both net cash provided by operations and net cash used in financing of \$1,306 for the year ended June 30, 2016 . The presentation requirements for cash flows related to employee taxes paid for withheld shares had no impact to any of the periods presented on our consolidated cash flows statements since such cash flows have historically been presented as a financing activity.

## **CRITICAL ACCOUNTING POLICIES**

We prepare our consolidated financial statements in accordance with U.S. GAAP. The significant accounting policies are discussed in Note 1 to the consolidated financial statements. The preparation of consolidated financial statements in accordance with U.S. GAAP requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenue and expenses, as well as disclosure of contingent assets and liabilities. We base our estimates and judgments upon historical experience and other factors believed to be reasonable under the circumstances. Changes in estimates or assumptions could result in a material adjustment to the consolidated financial statements.

We have identified several critical accounting estimates. An accounting estimate is considered critical if both: (a) the nature of the estimates or assumptions is material due to the levels of subjectivity and judgment involved, and (b) the impact of changes in the estimates and assumptions would have a material effect on the consolidated financial statements.

### **Revenue Recognition**

We recognize revenue net of any applicable discounts in accordance with generally accepted accounting principles and with guidance provided within Staff Accounting Bulletins issued by the Securities and Exchange Commission. The application of these pronouncements requires judgment, including whether a software arrangement includes multiple elements, whether any elements are essential to the functionality of any other elements, and whether vendor-specific objective evidence ("VSOE") of fair value exists for those elements. Customers receive certain elements of our products and services over time. Changes to the elements in a software arrangement or in our ability to identify VSOE for those elements could materially impact the amount of earned and deferred revenue reflected in the financial statements.

*License Arrangements:* For software license agreements, the Company recognizes revenue when persuasive evidence of an arrangement exists, delivery of the product or service has occurred, the fee is fixed or determinable and collection is probable. For arrangements where the fee is not fixed or determinable, revenue is deferred until payments become due. The Company's software license agreements generally include multiple products and services or "elements." Generally, none of these elements are deemed to be essential to the functionality of the other elements.

For multiple element arrangements, which contain software elements and non-software elements, we allocate revenue to the software deliverables as a group and the non-software deliverables as a group based on the relative selling prices of all of the deliverables in the arrangement. For our non-software deliverables, we allocate the arrangement consideration based on the relative selling price of the deliverables using estimated selling price ("ESP"). For our software elements, we use VSOE for this allocation when it can be established and ESP when VSOE cannot be established.

The selling price for each element is based upon the following selling price hierarchy: VSOE if available, third-party evidence ("TPE") if VSOE is not available, or ESP if neither VSOE or TPE are available. Generally, we are not able to determine TPE because our go-to-market strategy differs from that of our peers and our offerings contain a significant level of differentiation such that the comparable pricing of products with similar functionality cannot be obtained. ESP is determined after considering both market conditions (such as the sale of similar products in the market place) and entity-specific factors (such as pricing practices and the specifics of each transaction).

For our non-software deliverables, a delivered item is accounted for as a separate unit of accounting if the delivered item has standalone value and if the customer has a general right of return relative to the delivered item, delivery or performance of the undelivered item is probable and substantially within our control.

For our software licenses and related services, including the software elements of multiple-element software and non-software arrangements, U.S. GAAP generally requires revenue earned on software arrangements involving multiple elements to be allocated to each element based on VSOE of fair value. VSOE of fair value is determined for implementation services based on a rate per hour for stand-alone professional services and the estimated hours for the bundled implementation, if the hours can be reasonably estimated. VSOE of fair value is determined for post-



contract support ("PCS") based upon the price charged when sold separately. For a majority of the elements within our software arrangements, we have determined that VSOE cannot be established; therefore, revenue on our software arrangements is generally deferred until the only remaining element is PCS. At that point, the entire arrangement fee is recognized ratably over the remaining PCS period, assuming that all other criteria for revenue recognition have been met. The amounts deferred are included in the balance sheet as deferred revenue and recognized as Bundled Products & Services revenue within Support & Service revenue in the consolidated statements of income.

For arrangements that include specified upgrades, such upgrades are accounted for as a separate element of the arrangement. For those specified upgrades for which VSOE of fair value cannot be determined, revenue related to the software elements within the arrangement is deferred until such specified upgrades have been delivered.

*Support and Service Fee Revenue (Non-software):* Maintenance support revenue contracted for outside of a license arrangement is recognized pro-rata over the contract period, typically one year.

Outsourced data processing and ATM, debit card, and other transaction processing services revenue is recognized in the month the transactions are processed or the services are rendered.

*Hardware Revenue:* Hardware revenue is recognized upon delivery to the customer, when title and risk of loss are transferred. In most cases, we do not stock in inventory the hardware products we sell, but arrange for third-party suppliers to drop-ship the products to our customers on our behalf. The revenue related to these hardware sales is recorded gross, as we are the primary obligor in the contract with the customer. The Company also re-markets maintenance contracts on hardware to our customers. Gross hardware maintenance revenue is recognized ratably over the agreement period.

Revenue-based taxes collected from customers and remitted to governmental authorities are presented on a net basis (i.e. excluded from revenues).

#### **Deferred Costs**

Costs for certain software and hardware maintenance contracts with third parties, which are prepaid, are recognized ratably over the life of the maintenance contract, generally one to five years, with the related revenue amortized from deferred revenues.

Direct and incremental fulfillment costs associated with arrangements subject to Accounting Standards Codification ("ASC") 985-605 (for which VSOE of fair value cannot be established) are deferred until the only remaining element in the revenue arrangement is PCS at which point the costs are recognized ratably over the remaining PCS period with the related revenue. Deferred direct and incremental costs associated with arrangements not subject to ASC 985-605 consist primarily of certain up-front costs incurred in connection with our software hosting arrangements and are recognized ratably over the contract period which typically ranges from 5-7 years. These costs include commissions, costs of third-party licenses and the direct costs of our implementation services, consisting of payroll and other fringe benefits.

#### **Depreciation and Amortization Expense**

The calculation of depreciation and amortization expense is based on the estimated economic lives of the underlying property, plant and equipment and intangible assets, which have been examined for their useful life and determined that no impairment exists. We believe it is unlikely that any significant changes to the useful lives of our tangible and intangible assets will occur in the near term, but rapid changes in technology or changes in market conditions could result in revisions to such estimates that could materially affect the carrying value of these assets and the Company's future consolidated operating results. We consider whether there is potential for impairment of any long-lived assets, and perform testing for valuation if it is determined that there is a triggering event causing risk of impairment.

#### **Capitalization of software development costs**

We capitalize certain costs incurred to develop commercial software products. For software that is to be sold, significant estimates and assumptions include: establishing when technological feasibility has been met and costs should be capitalized, determining the appropriate period over which to amortize the capitalized costs based on the estimated useful lives, estimating the marketability of the commercial software products and related future revenues, and assessing the unamortized cost balances for impairment. Costs incurred prior to establishing technological feasibility are expensed as incurred. Amortization begins on the date of general release and the appropriate amortization period is based on estimates of future revenues from sales of the products. We consider various factors to project marketability and future revenues, including an assessment of alternative solutions or products, current and historical demand for the product, and anticipated changes in technology that may make the product obsolete.

For internal use software, capitalization begins at the beginning of application development. Costs incurred prior to this are expensed as incurred. Significant estimates and assumptions include determining the appropriate amortization

period based on the estimated useful life and assessing the unamortized cost balances for impairment. Amortization begins on the date the software is placed in service and the amortization period is based on estimated useful life.

A significant change in an estimate related to one or more software products could result in a material change to our results of operations.

#### **Estimates used to determine current and deferred income taxes**

We make certain estimates and judgments in determining income tax expense for financial statement purposes. These estimates and judgments occur in the calculation of certain tax assets and liabilities, which arise from differences in the timing of recognition of revenue and expense for tax and financial statement purposes. We also must determine the likelihood of recoverability of deferred tax assets, and adjust any valuation allowances accordingly. Considerations include the period of expiration of the tax asset, planned use of the tax asset, and historical and projected taxable income as well as tax liabilities for the tax jurisdiction to which the tax asset relates. Valuation allowances are evaluated periodically and will be subject to change in each future reporting period as a result of changes in one or more of these factors. Also, liabilities for uncertain tax positions require significant judgment in determining what constitutes an individual tax position as well as assessing the outcome of each tax position. Changes in judgment as to recognition or measurement of tax positions can materially affect the estimate of the effective tax rate and consequently, affect our financial results.

#### **Assumptions related to purchase accounting and goodwill**

We account for our acquisitions using the purchase method of accounting. This method requires estimates to determine the fair values of assets and liabilities acquired, including judgments to determine any acquired intangible assets such as customer-related intangibles, as well as assessments of the fair value of existing assets such as property and equipment. Liabilities acquired can include balances for litigation and other contingency reserves established prior to or at the time of acquisition, and require judgment in ascertaining a reasonable value. third-party valuation firms may be used to assist in the appraisal of certain assets and liabilities, but even those determinations would be based on significant estimates provided by us, such as forecast revenues or profits on contract-related intangibles. Numerous factors are typically considered in the purchase accounting assessments, which are conducted by Company professionals from legal, finance, human resources, information systems, program management and other disciplines. Changes in assumptions and estimates of the acquired assets and liabilities would result in changes to the fair values, resulting in an offsetting change to the goodwill balance associated with the business acquired.

As goodwill is not amortized, goodwill balances are regularly assessed for potential impairment. Such assessments require an analysis of future cash flow projections as well as a determination of an appropriate discount rate to calculate present values. Cash flow projections are based on management-approved estimates, which involve the input of numerous Company professionals from finance, operations and program management. Key factors used in estimating future cash flows include assessments of labor and other direct costs on existing contracts, estimates of overhead costs and other indirect costs, and assessments of new business prospects and projected win rates. The Company's most recent assessment indicates that no reporting units are currently at risk of impairment as the fair value of each reporting unit is significantly in excess of the carrying value. However, significant changes in the estimates and assumptions used in purchase accounting and goodwill impairment testing could have a material effect on the consolidated financial statements.

#### **ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK**

Market risk refers to the risk that a change in the level of one or more market prices, interest rates, indices, volatilities, correlations or other market factors such as liquidity, will result in losses for a certain financial instrument or group of financial instruments. We are currently exposed to credit risk on credit extended to customers and interest risk on outstanding debt. We do not currently use any derivative financial instruments. We actively monitor these risks through a variety of controlled procedures involving senior management.

Based on the controls in place and the credit worthiness of the customer base, we believe the credit risk associated with the extension of credit to our customers will not have a material adverse effect on our consolidated financial position, results of operations, or cash flows.

Based on our outstanding debt with variable interest rates as of June 30, 2017, a 1% increase in our borrowing rate would increase interest expense by \$500 on an annual basis.

**ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA**

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**Financial Statement Schedules**

There are no schedules included because they are not applicable or the required information is shown in the consolidated financial statements or notes thereto.

**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

To the Board of Directors and Stockholders of Jack Henry & Associates, Inc.

In our opinion, the accompanying consolidated balance sheets and the related consolidated statements of income, changes in stockholders' equity and cash flows present fairly, in all material respects, the financial position of Jack Henry & Associates, Inc. and its subsidiaries at June 30, 2017 and 2016, and the results of their operations and their cash flows for each of the two years in the period ended June 30, 2017 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of June 30, 2017, based on criteria established in *Internal Control - Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). The Company's management is responsible for these financial statements, for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management's Annual Report on Internal Control over Financial Reporting. Our responsibility is to express opinions on these financial statements and on the Company's internal control over financial reporting based on our integrated audits. We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement and whether effective internal control over financial reporting was maintained in all material respects. Our audits of the financial statements included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ PricewaterhouseCoopers LLP

Kansas City, Missouri

August 25, 2017

**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

To the Board of Directors and Stockholders of  
Jack Henry & Associates, Inc.  
Monett, Missouri

We have audited the accompanying consolidated statements of income, changes in stockholders' equity, and cash flows of Jack Henry and Associates, Inc. and subsidiaries (the "Company") for the year ended June 30, 2015. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. 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 audit provides a reasonable basis for our opinion.

In our opinion, such 2015 consolidated financial statements present fairly, in all material respects, the results of the operations and the cash flows of Jack Henry & Associates, Inc. and subsidiaries for the year ended June 30, 2015, in conformity with accounting principles generally accepted in the United States of America.

/s/Deloitte & Touche LLP  
Kansas City, Missouri  
September 11, 2015

## **MANAGEMENT'S ANNUAL REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING**

The management of Jack Henry & Associates, Inc. is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Exchange Act Rule 13a-15(f). The Company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of the Company's consolidated financial statements for external reporting purposes in accordance with accounting principles generally accepted in the United States of America.

The Company's internal control over financial reporting includes policies and procedures pertaining to the maintenance of records that, in reasonable detail, accurately and fairly reflect transactions and dispositions of assets of the Company; provide reasonable assurance transactions are recorded as necessary to permit preparation of consolidated financial statements in accordance with accounting principles generally accepted in the United States of America, and receipts and expenditures of the Company are being made only in accordance with authorizations of management and the directors of the Company; and provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the Company's assets that could have a material effect on the Company's consolidated financial statements. All internal controls, no matter how well designed, have inherent limitations. Therefore, even where internal control over financial reporting is determined to be effective, it can provide only reasonable assurance. Projections of any evaluation of effectiveness to future periods are subject to the risk controls may become inadequate because of changes in conditions, or the degree of compliance with the policies or procedures may deteriorate.

As of June 30, 2017, management conducted an assessment of the effectiveness of the Company's internal control over financial reporting based on the framework established in Internal Control-Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). Based on this assessment, management has concluded the Company's internal control over financial reporting as of June 30, 2017 was effective.

The Company's internal control over financial reporting as of June 30, 2017 has been audited by the Company's independent registered public accounting firm, as stated in their report appearing in this Item 8.

**JACK HENRY & ASSOCIATES, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF INCOME**  
(In Thousands, Except Per Share Data)

	Year Ended		
	June 30,		
	2017	2016	2015
<b>REVENUE</b>			
License	\$ 2,385	\$ 3,041	\$ 2,635
Support and service	1,384,338	1,300,978	1,200,652
Hardware	44,394	50,627	52,903
<b>Total revenue</b>	<b>1,431,117</b>	<b>1,354,646</b>	<b>1,256,190</b>
<b>COST OF SALES</b>			
Cost of license	730	1,197	1,187
Cost of support and service	786,143	737,108	680,750
Cost of hardware	32,161	35,346	38,399
<b>Total cost of sales</b>	<b>819,034</b>	<b>773,651</b>	<b>720,336</b>
<b>GROSS PROFIT</b>	<b>612,083</b>	<b>580,995</b>	<b>535,854</b>
<b>OPERATING EXPENSES</b>			
Selling and marketing	93,297	90,079	89,004
Research and development	84,753	81,234	71,495
General and administrative	69,601	67,514	64,364
Gain on disposal of businesses	(3,270)	(19,491)	(6,874)
<b>Total operating expenses</b>	<b>244,381</b>	<b>219,336</b>	<b>217,989</b>
<b>OPERATING INCOME</b>	<b>367,702</b>	<b>361,659</b>	<b>317,865</b>
<b>INTEREST INCOME (EXPENSE)</b>			
Interest income	248	307	169
Interest expense	(996)	(1,430)	(1,594)
<b>Total interest income (expense)</b>	<b>(748)</b>	<b>(1,123)</b>	<b>(1,425)</b>
<b>INCOME BEFORE INCOME TAXES</b>	<b>366,954</b>	<b>360,536</b>	<b>316,440</b>
<b>PROVISION FOR INCOME TAXES</b>	<b>121,161</b>	<b>111,669</b>	<b>105,219</b>
<b>NET INCOME</b>	<b>\$ 245,793</b>	<b>\$ 248,867</b>	<b>\$ 211,221</b>
Basic earnings per share	\$ 3.16	\$ 3.13	\$ 2.60
Basic weighted average shares outstanding	77,856	79,416	81,353
Diluted earnings per share	\$ 3.14	\$ 3.12	\$ 2.59
Diluted weighted average shares outstanding	78,255	79,734	81,601

See notes to consolidated financial statements

**JACK HENRY & ASSOCIATES, INC. AND SUBSIDIARIES**  
**CONSOLIDATED BALANCE SHEETS**  
(In Thousands, Except Share and Per Share Data)

	June 30, 2017	June 30, 2016
<b>ASSETS</b>		
<b>CURRENT ASSETS:</b>		
Cash and cash equivalents	\$ 114,765	\$ 70,310
Receivables, net	276,923	253,923
Income tax receivable	20,135	15,636
Prepaid expenses and other	66,894	56,588
Deferred costs	41,314	35,472
<b>Total current assets</b>	<b>520,031</b>	<b>431,929</b>
<b>PROPERTY AND EQUIPMENT, net</b>	<b>282,934</b>	<b>298,564</b>
<b>OTHER ASSETS:</b>		
Non-current deferred costs	96,847	99,799
Computer software, net of amortization	247,317	222,115
Other non-current assets	82,525	70,461
Customer relationships, net of amortization	90,433	104,085
Other intangible assets, net of amortization	36,393	35,706
Goodwill	552,465	552,853
<b>Total other assets</b>	<b>1,105,980</b>	<b>1,085,019</b>
<b>Total assets</b>	<b>\$ 1,908,945</b>	<b>\$ 1,815,512</b>
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
<b>CURRENT LIABILITIES:</b>		
Accounts payable	\$ 6,841	\$ 14,596
Accrued expenses	81,574	85,411
Notes payable and current maturities of long-term debt	—	200
Deferred revenues	382,777	343,525
<b>Total current liabilities</b>	<b>471,192</b>	<b>443,732</b>
<b>LONG-TERM LIABILITIES:</b>		
Non-current deferred revenues	128,607	177,529
Non-current deferred income tax liability	219,541	188,601
Debt, net of current maturities	50,000	—
Other long-term liabilities	7,554	9,440
<b>Total long-term liabilities</b>	<b>405,702</b>	<b>375,570</b>
<b>Total liabilities</b>	<b>876,894</b>	<b>819,302</b>
<b>STOCKHOLDERS' EQUITY</b>		
Preferred stock - \$1 par value; 500,000 shares authorized, none issued	—	—
Common stock - \$0.01 par value; 250,000,000 shares authorized; 103,083,299 shares issued at June 30, 2017; 102,903,971 shares issued at June 30, 2016	1,031	1,029
Additional paid-in capital	452,016	440,123
Retained earnings	1,585,278	1,431,192
Less treasury stock at cost 25,660,212 shares at June 30, 2017; 24,208,517 shares at June 30, 2016	(1,006,274)	(876,134)
<b>Total stockholders' equity</b>	<b>1,032,051</b>	<b>996,210</b>
<b>Total liabilities and equity</b>	<b>\$ 1,908,945</b>	<b>\$ 1,815,512</b>

See notes to consolidated financial statements



**JACK HENRY & ASSOCIATES, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY**

(In Thousands, Except Share and Per Share Data)

	Year Ended June 30,		
	2017	2016	2015
<b>PREFERRED SHARES:</b>	—	—	—
<b>COMMON SHARES:</b>			
Shares, beginning of year	102,903,971	102,695,214	102,429,926
Shares issued for equity-based payment arrangements	98,781	121,348	172,661
Shares issued for Employee Stock Purchase Plan	80,547	87,409	92,627
Shares, end of year	103,083,299	102,903,971	102,695,214
<b>COMMON STOCK - PAR VALUE \$0.01 PER SHARE:</b>			
Balance, beginning of year	\$ 1,029	\$ 1,027	\$ 1,024
Shares issued for equity-based payment arrangements	1	1	2
Shares issued for Employee Stock Purchase Plan	1	1	1
Balance, end of year	\$ 1,031	\$ 1,029	\$ 1,027
<b>ADDITIONAL PAID-IN CAPITAL:</b>			
Balance, beginning of year	\$ 440,123	\$ 424,536	\$ 412,512
Shares issued for equity-based payment arrangements	(1)	696	640
Tax withholding related to share based compensation	(5,479)	(2,590)	(7,951)
Shares issued for Employee Stock Purchase Plan	6,244	5,710	4,880
Tax benefits from share-based compensation	—	1,051	4,343
Stock-based compensation expense	11,129	10,720	10,112
Balance, end of year	\$ 452,016	\$ 440,123	\$ 424,536
<b>RETAINED EARNINGS:</b>			
Balance, beginning of year	\$ 1,431,192	\$ 1,266,443	\$ 1,131,632
Net income	245,793	248,867	211,221
Dividends	(91,707)	(84,118)	(76,410)
Balance, end of year	\$ 1,585,278	\$ 1,431,192	\$ 1,266,443
<b>TREASURY STOCK:</b>			
Balance, beginning of year	\$ (876,134)	\$ (700,472)	\$ (577,781)
Purchase of treasury shares	(130,140)	(175,662)	(122,691)
Balance, end of year	\$ (1,006,274)	\$ (876,134)	\$ (700,472)
<b>TOTAL STOCKHOLDERS' EQUITY</b>	<b>\$ 1,032,051</b>	<b>\$ 996,210</b>	<b>\$ 991,534</b>
Dividends declared per share	\$ 1.18	\$ 1.06	\$ 0.94

See notes to consolidated financial statements.

**JACK HENRY & ASSOCIATES, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS**  
(In Thousands)

	Year Ended		
	June 30,		
	2017	2016	2015
<b>CASH FLOWS FROM OPERATING ACTIVITIES:</b>			
Net Income	\$ 245,793	\$ 248,867	\$ 211,221
Adjustments to reconcile net income from operations to net cash from operating activities:			
Depreciation	49,677	50,571	54,155
Amortization	90,109	79,077	64,841
Change in deferred income taxes	30,940	37,524	29,443
Other	—	—	(4,343)
Expense for stock-based compensation	11,129	10,720	10,112
(Gain)/loss on disposal of assets and businesses	4,771	(16,888)	(5,046)
Changes in operating assets and liabilities:			
Change in receivables	(22,499)	(13,735)	(21,346)
Change in prepaid expenses, deferred costs and other	(25,088)	(29,577)	(33,858)
Change in accounts payable	(7,812)	4,663	(583)
Change in accrued expenses	(4,454)	7,460	14,483
Change in income taxes	(6,444)	(16,624)	14,146
Change in deferred revenues	(8,800)	4,364	40,565
<b>Net cash from operating activities</b>	<b>357,322</b>	<b>366,422</b>	<b>373,790</b>
<b>CASH FLOWS FROM INVESTING ACTIVITIES:</b>			
Payment for acquisitions, net of cash acquired	—	(8,275)	—
Capital expenditures	(41,947)	(56,325)	(54,409)
Proceeds from the sale of businesses	5,632	34,030	8,135
Proceeds from the sale of assets	968	2,844	182
Internal use software	(16,608)	(11,826)	(14,020)
Computer software developed	(89,631)	(96,411)	(76,872)
<b>Net cash from investing activities</b>	<b>(141,586)</b>	<b>(135,963)</b>	<b>(136,984)</b>
<b>CASH FLOWS FROM FINANCING ACTIVITIES:</b>			
Borrowings on credit facilities	80,000	100,000	90,000
Repayments on credit facilities	(30,200)	(152,500)	(50,783)
Debt acquisition costs	—	—	(901)
Purchase of treasury stock	(130,140)	(175,662)	(122,691)
Dividends paid	(91,707)	(84,118)	(76,410)
Other	—	—	4,343
Proceeds from issuance of common stock upon exercise of stock options	1	697	642
Minimum tax withholding payments related to share based compensation	(5,480)	(2,590)	(7,951)
Proceeds from sale of common stock	6,245	5,711	4,881
<b>Net cash from financing activities</b>	<b>(171,281)</b>	<b>(308,462)</b>	<b>(158,870)</b>
<b>NET CHANGE IN CASH AND CASH EQUIVALENTS</b>	<b>\$ 44,455</b>	<b>\$ (78,003)</b>	<b>\$ 77,936</b>
<b>CASH AND CASH EQUIVALENTS, BEGINNING OF PERIOD</b>	<b>\$ 70,310</b>	<b>\$ 148,313</b>	<b>\$ 70,377</b>
<b>CASH AND CASH EQUIVALENTS, END OF PERIOD</b>	<b>\$ 114,765</b>	<b>\$ 70,310</b>	<b>\$ 148,313</b>

See notes to consolidated financial statements

**JACK HENRY & ASSOCIATES, INC. AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

(In Thousands, Except Per Share Amounts)

NOTE 1. NATURE OF OPERATIONS AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

DESCRIPTION OF THE COMPANY

Jack Henry & Associates, Inc. and subsidiaries ("JHA" or the "Company") is a provider of integrated computer systems and services that has developed and acquired a number of banking and credit union software systems. The Company's revenues are predominately earned by marketing those systems to financial institutions nationwide together with computer equipment (hardware), by providing the conversion and software implementation services for financial institutions to utilize JHA software systems, and by providing other related services. JHA also provides continuing support and services to customers using in-house or outsourced systems.

CONSOLIDATION

The consolidated financial statements include the accounts of JHA and all of its subsidiaries, which are wholly-owned, and all intercompany accounts and transactions have been eliminated.

USE OF ESTIMATES

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities as of the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

REVENUE RECOGNITION

The Company derives revenue from the following sources: license arrangements, support and service fees (non-software) and hardware sales. There are no rights of return, condition of acceptance or price protection in the Company's sales contracts.

*License Arrangements:* For software license agreements, the Company recognizes revenue when persuasive evidence of an arrangement exists, delivery of the product or service has occurred, the fee is fixed or determinable and collection is probable. For arrangements where the fee is not fixed or determinable, revenue is deferred until payments become due. The Company's software license agreements generally include multiple products and services or "elements." Generally, none of these elements are deemed to be essential to the functionality of the other elements.

For multiple element arrangements, which contain software elements and non-software elements, we allocate revenue to the software deliverables and the non-software deliverables as a group based on the relative selling prices of all of the deliverables in the arrangement. For our non-software deliverables, we allocate the arrangement consideration based on the relative selling price of the deliverables using estimated selling price ("ESP"). For our software elements, we use vendor-specific objective evidence ("VSOE") for this allocation when it can be established and ESP when VSOE cannot be established.

The selling price for each element is based upon the following selling price hierarchy: VSOE if available, third-party evidence ("TPE") if VSOE is not available, or ESP if neither VSOE or TPE are available. Generally, we are not able to determine TPE because our go-to-market strategy differs from that of our peers and our offerings contain a significant level of differentiation such that the comparable pricing of products with similar functionality cannot be obtained. ESP is determined after considering both market conditions (such as the sale of similar products in the market place) and entity-specific factors (such as pricing practices and the specifics of each transaction).

For our non-software deliverables, a delivered item is accounted for as a separate unit of accounting if the delivered item has standalone value and if the customer has a general right of return relative to the delivered item, delivery or performance of the undelivered item is probable and substantially within our control.

For our software licenses and related services, including the software elements of multiple-element software and non-software arrangements, U.S. GAAP generally require revenue earned on software arrangements involving multiple elements to be allocated to each element based on vendor-specific objective evidence ("VSOE") of fair value. VSOE of fair value is determined for implementation services based on a rate per hour for stand-alone professional services and the estimated hours for the bundled implementation, if the hours can be reasonably estimated. VSOE of fair value is determined for post-contract support ("PCS") based upon the price charged when sold separately. For a majority of the elements within our software arrangements, we have determined that VSOE cannot be established; therefore, revenue on our software arrangements is generally deferred until the only remaining element is post-contract support ("PCS"). At that point, the entire arrangement fee is recognized ratably over the remaining PCS period, assuming that

all other criteria for revenue recognition have been met. The amounts deferred are included in the balance sheet as deferred revenue and recognized as Bundled Products & Services revenue within Support & Service revenue in the consolidated statements of income.

For arrangements that include specified upgrades, such upgrades are accounted for as a separate element of the arrangement. For those specified upgrades for which VSOE of fair value cannot be determined, revenue related to the software elements within the arrangement is deferred until such specified upgrades have been delivered.

Total revenue recognized related to our Bundled Products & Services was \$117,046 , \$94,391 , and \$62,888 for the years ended June 30, 2017 , 2016 , and 2015 , respectively.

*Support and Service Fee Revenue (Non-software):* Maintenance support revenue contracted for outside of a license arrangement is recognized pro-rata over the contract period, typically one year.

Outsourced data processing and ATM, debit card, and other transaction processing services revenue is recognized in the month the transactions are processed or the services are rendered.

*Hardware Revenue:* Hardware revenue is recognized upon delivery to the customer, when title and risk of loss are transferred. In most cases, we do not stock in inventory the hardware products we sell, but arrange for third-party suppliers to drop-ship the products to our customers on our behalf. The revenue related to these hardware sales is recorded gross, as we are the primary obligor in the contract with the customer. The Company also remarkets maintenance contracts on hardware to our customers. Hardware maintenance revenue is recognized ratably over the agreement period.

Revenue-based taxes collected from customers and remitted to governmental authorities are presented on a net basis (i.e. excluded from revenues).

#### DEFERRED COSTS

Costs for certain software and hardware maintenance contracts with third parties, which are prepaid, are recognized ratably over the life of the maintenance contract, generally one to five years, with the related revenue amortized from deferred revenues.

Direct and incremental costs associated with arrangements subject to Accounting Standards Codification ("ASC") 985-605 (for which VSOE of fair value cannot be established) are deferred until the only remaining element in the revenue arrangement is PCS at which point the costs are recognized ratably over the remaining PCS period with the related revenue. Deferred direct and incremental costs associated with arrangements not subject to ASC 985-605 consist primarily of certain up-front costs incurred in connection with our software hosting arrangements and are recognized ratably over the contract period which typically ranges from 5-7 years. These costs include commissions, costs of third-party licenses and the direct costs of our implementation services, consisting of payroll and other fringe benefits.

#### DEFERRED REVENUES

Deferred revenues consist primarily of prepaid annual software support fees, deferred bundled software arrangements revenue, and prepaid hardware maintenance fees. Deferred bundled software arrangements revenue and hardware maintenance contracts may be recognized over multiple years; therefore, the related deferred revenue and maintenance are classified as current or non-current in accordance with the terms of the contract. Software and hardware deposits received are also reflected as deferred revenues.

The vast majority of our maintenance (PCS) renews annually and runs from July 1 to June 30. Renewal billings are submitted to customers each June and the Company has the right to bill at that date; therefore we include those billings as gross in deferred revenue and as a receivable on our balance sheet at the end of each fiscal year.

#### COMPUTER SOFTWARE DEVELOPMENT

The Company capitalizes new product development costs incurred for software to be sold from the point at which technological feasibility has been established through the point at which the product is ready for general availability. Software development costs that are capitalized are evaluated on a product-by-product basis annually and are assigned an estimated economic life based on the type of product, market characteristics, and maturity of the market for that particular product. These costs are amortized based on current and estimated future revenue from the product or on a straight-line basis, whichever yields greater amortization expense. All of this amortization expense is included within Cost of support and service.

The Company capitalizes development costs for internal use software beginning at the start of application development. Amortization begins on the date the software is placed in service and the amortization period is based on estimated useful life.

#### CASH EQUIVALENTS

The Company considers all highly liquid investments with maturities of three months or less at the time of acquisition to be cash equivalents.

#### ACCOUNTS RECEIVABLE

Receivables are recorded at the time of billing. A reasonable estimate of the realizability of customer receivables is made through the establishment of an allowance for doubtful accounts, which is estimated based on a combination of write-off history, aging analysis, and any specifically known collection issues.

#### PROPERTY AND EQUIPMENT AND INTANGIBLE ASSETS

Property and equipment is stated at cost and depreciated using the straight-line method over the estimated useful lives of the assets.

Intangible assets consist of goodwill, customer relationships, computer software, and trade names acquired in business acquisitions in addition to internally developed computer software. The amounts are amortized, with the exception of those with an indefinite life (such as goodwill), over an estimated economic benefit period, generally three to twenty years.

The Company reviews its long-lived assets and identifiable intangible assets with finite lives for impairment whenever events or changes in circumstances have indicated that the carrying amount of its assets might not be recoverable. The Company evaluates goodwill and other indefinite-lived intangible assets for impairment of value on an annual basis as of January 1 and between annual tests if events or changes in circumstances indicate that the asset might be impaired.

#### COMPREHENSIVE INCOME

Comprehensive income for each of the years ending June 30, 2017 , 2016 , and 2015 equals the Company's net income.

#### REPORTABLE SEGMENT INFORMATION

In accordance with U.S. GAAP, the Company's operations are classified as two reportable segments: bank systems and services and credit union systems and services (see Note 13). Revenue by type of product and service is presented on the face of the consolidated statements of income. Substantially all the Company's revenues are derived from operations and assets located within the United States of America.

#### COMMON STOCK

The Board of Directors has authorized the Company to repurchase shares of its common stock. Under this authorization, the Company may finance its share repurchases with available cash reserves or short-term borrowings on its existing credit facilities. The share repurchase program does not include specific price targets or timetables and may be suspended at any time. At June 30, 2017 , there were 25,660 shares in treasury stock and the Company had the remaining authority to repurchase up to 4,330 additional shares. The total cost of treasury shares at June 30, 2017 is \$1,006,274 . During fiscal 2017 , the Company repurchased 1,452 treasury shares for \$130,140 . At June 30, 2016 , there were 24,209 shares in treasury stock and the Company had authority to repurchase up to 5,782 additional shares.

#### EARNINGS PER SHARE

Per share information is based on the weighted average number of common shares outstanding during the year. Stock options and restricted stock have been included in the calculation of income per diluted share to the extent they are dilutive. The difference between basic and diluted weighted average shares outstanding is the dilutive effect of outstanding stock options and restricted stock (see Note 10).

#### INCOME TAXES

Deferred tax liabilities and assets are recognized for the tax effects of differences between the financial statement and tax bases of assets and liabilities. A valuation allowance would be established to reduce deferred tax assets if it is more likely than not that a deferred tax asset will not be realized.

The Company recognizes the tax benefit from an uncertain tax position only if it is more likely than not that the tax position will be sustained on examination by the taxing authorities, based upon the technical merits of the position. The tax benefit recognized in the financial statements from such a position is measured based on the largest benefit that has a greater than 50% likelihood of being realized upon ultimate settlement. Also, interest and penalties expense are recognized on the full amount of deferred benefits for uncertain tax positions. Our policy is to include interest and penalties related to unrecognized tax benefits in income tax expense.

## RECENT ACCOUNTING PRONOUNCEMENTS

The Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") No. 2014-09, Revenue from Contracts with Customers in May 2014. This standard is part of an effort to create a common revenue standard for U.S. generally accepted accounting principles (U.S. GAAP) and International Financial Reporting Standards (IFRS). The new standard will supersede much of the existing authoritative literature for revenue recognition. The new model enacts a five-step process for achieving the core principle, which is that an entity should recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. In August 2015, the FASB also issued ASU No. 2015-14 which deferred the effective date of the new standard by one year, but allows early application as of the original effective date. We do not intend to adopt the provisions of the new standard early, so the standard and related amendments will be effective for the Company for its annual reporting period beginning July 1, 2018, including interim periods within that reporting period. In March 2016, the FASB issued ASU No. 2016-08, which addresses principal versus agent considerations under the new revenue standard. ASU No. 2016-10, ASU No. 2016-12, and ASU No. 2016-20 also address specific aspects of the new standard. Entities are allowed to transition to the new standard by either recasting prior periods or recognizing the cumulative effect as of the beginning of the period of adoption. The Company is currently evaluating the newly issued guidance, including which transition approach will be applied, and continuing to assess all potential impacts of the standard. We expect the adoption of this standard to have a significant impact on our revenue recognition currently subject to Accounting Standards Codification (ASC) Topic 985. We are currently in the process of implementing and testing new software to assist in applying the five-step model to our various revenue streams and comparing the results to our current accounting practices. One of the most significant expected impacts relates to the recognition of license and implementation revenue on our multi-element arrangements. We expect to recognize license and install revenue at the time of the install completion, rather than over the maintenance period of the software on our multi-element agreements. We expect revenue related to hardware, Outlink contracts, payment processing, and professional services to remain substantially unchanged.

The FASB issued ASU No. 2016-02, Leases, in February 2016. This ASU aims to increase transparency and comparability among organizations by recognizing lease assets and liabilities on the balance sheet and requiring disclosure of key information regarding leasing arrangements. ASU No. 2016-02 will be effective for Jack Henry's annual reporting period beginning July 1, 2019 and early adoption is permitted. The Company is currently assessing the impact this new standard will have on our consolidated financial statements.

The FASB issued ASU No. 2016-09, Improvements to Employee Share-Based Payment Accounting, in March 2016. The new standard is intended to simplify several aspects of the accounting and presentation of share-based payment transactions, including reporting of excess tax benefits and shortfalls, statutory minimum withholding considerations, and classification within the statement of cash flows. The standard allows a one-time accounting policy election to either account for forfeitures as they occur or continue to estimate them. ASU No. 2016-09 is effective for the Company's annual reporting period beginning July 1, 2017. Management elected to early adopt this standard as of July 1, 2016 and has elected to continue our current practice of estimating forfeitures. The adoption of this standard had the following impacts on our condensed consolidated financial statements.

- Condensed consolidated statements of income- The new standard requires that the tax effects of share-based compensation be recognized in the provision for income taxes. Previously, these amounts were recognized in additional paid-in capital. Net tax benefits related to share-based compensation awards of \$2,638 for the year ended June 30, 2017 were recognized as reductions of income tax expense. These tax benefits reduced our effective income tax rate for the year-to-date period by 0.72% , and caused an increase in basic and diluted earnings per share of \$0.03 for the year ended June 30, 2017 . In addition, in calculating potential common shares used to determine diluted earnings per share, generally accepted accounting principles require us to use the treasury stock method. The new standard requires that assumed proceeds under the treasury stock method be modified to exclude the amount of excess tax benefits that would have been recognized in additional paid-in capital. These changes were applied on a prospective basis.
- Condensed consolidated statements of cash flows- The Company elected to apply the presentation requirements for cash flows related to excess tax benefits retrospectively; however, fiscal 2015 was not restated due to immateriality. The restatement for fiscal 2016 resulted in an increase to both net cash provided by operations and net cash used in financing of \$1,306 for the year ended June 30, 2016 . The presentation requirements for cash flows related to employee taxes paid for withheld shares had no impact to any of the periods presented on our consolidated cash flows statements since such cash flows have historically been presented as a financing activity.

**NOTE 2. FAIR VALUE OF FINANCIAL INSTRUMENTS**

For cash equivalents, amounts receivable or payable and short-term borrowings, fair values approximate carrying value, based on the short-term nature of the assets and liabilities. The fair value of long-term debt also approximates carrying value as estimated using discounted cash flows based on the Company's current incremental borrowing rates.

The Company's estimates of the fair value for financial assets and financial liabilities are based on the framework established in the fair value accounting guidance. The framework is based on the inputs used in valuation, gives the highest priority to quoted prices in active markets, and requires that observable inputs be used in the valuations when available. The three levels of the hierarchy are as follows:

Level 1: inputs to the valuation are quoted prices in an active market for identical assets

Level 2: inputs to the valuation include quoted prices for similar assets in active markets that are observable either directly or indirectly

Level 3: valuation is based on significant inputs that are unobservable in the market and the Company's own estimates of assumptions that we believe market participants would use in pricing the asset

Fair value of financial assets, included in cash and cash equivalents, and financial liabilities is as follows:

Recurring Fair Value Measurements	Estimated Fair Value Measurements			Total Fair Value
	Level 1	Level 2	Level 3	
<b>June 30, 2017</b>				
Financial Assets:				
Money market funds	\$ 68,474	\$ —	\$ —	\$ 68,474
Certificate of Deposit	\$ —	\$ 2,001	\$ —	\$ 2,001
Financial Liabilities:				
Revolving credit facility	\$ —	\$ 50,000	\$ —	\$ 50,000
<b>June 30, 2016</b>				
Financial Assets:				
Money market funds	\$ 35,782	\$ —	\$ —	\$ 35,782
Certificate of Deposit	\$ —	\$ 1,000	\$ —	\$ 1,000
Financial Liabilities:				
Revolving credit facility	\$ —	\$ —	\$ —	\$ —

**Non-Recurring Fair Value Measurements**

**June 30, 2017**

Long-lived assets held for sale <sup>(a)</sup>	\$ —	\$ 1,300	\$ —	\$ 1,300
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<sup>(a)</sup> In accordance with ASC Subtopic 360-10, long-lived assets held for sale with a carrying value of \$4,575 were written down to their fair value of \$1,300, resulting in an impairment totaling \$3,275, which was included in earnings for the period. These assets are expected to be disposed of by sale within the twelve months of June 30, 2017.



NOTE 3. PROPERTY AND EQUIPMENT

The classification of property and equipment, together with their estimated useful lives is as follows:

	June 30,		Estimated Useful Life
	2017	2016	
Land	\$ 24,987	\$ 24,987	
Land improvements	25,362	25,470	5 - 20 years
Buildings	143,350	146,464	20 - 30 years
Leasehold improvements	47,291	46,897	5 - 30 years <sup>(1)</sup>
Equipment and furniture	332,465	337,565	3 - 10 years
Aircraft and equipment	38,522	37,967	4 - 10 years
Construction in progress	15,971	7,373	
	<u>627,948</u>	<u>626,723</u>	
Less accumulated depreciation	345,014	328,159	
Property and equipment, net	<u>\$ 282,934</u>	<u>\$ 298,564</u>	

(1) Lesser of lease term or estimated useful life

Property and equipment included \$534 and \$651 that was in accrued liabilities at June 30, 2017 and 2016, respectively. These amounts were excluded from capital expenditures on the statements of cash flows.

In fiscal 2017, we recorded an impairment loss on one of our facilities of \$3,275 due to damage caused by water intrusion around the facility's windows and roof. The impairment loss is included in the caption "Cost of support and service" in our consolidated statements of income and is included in our Bank segment.

NOTE 4. OTHER ASSETS

*Goodwill*

The carrying amount of goodwill for the years ended June 30, 2017 and 2016, by reportable segments, is as follows:

	June 30,	
	2017	2016
<b><i>Bank systems and services</i></b>		
Beginning balance	\$ 423,282	\$ 420,795
Goodwill, acquired during the year	—	6,099
Goodwill, written-off related to sale	(388)	(3,612)
Ending balance	<u>\$ 422,894</u>	<u>\$ 423,282</u>
<b><i>Credit Union systems and services</i></b>		
Beginning balance	\$ 129,571	\$ 129,571
Goodwill, acquired during the year	—	—
Ending balance	<u>\$ 129,571</u>	<u>\$ 129,571</u>

The Goodwill written-off during fiscal 2017 was a result of our sale of our Regulatory Filing products to Fed Reporter on May 1, 2017. Goodwill allocated to the carrying amount of the net assets sold (mainly computer software) was calculated based on the relative fair values of the business disposed and the portion of the reporting unit that was retained.

The goodwill acquired during fiscal 2016 of \$6,099 was a result of our purchase of Bayside Business Solutions, Inc. The goodwill arising from this acquisition consists largely of the growth potential, synergies and economies of scale expected from combining the operations of the Company with those of Bayside Business Solutions, together with the value of Bayside Business Solutions' assembled workforce. Goodwill from this acquisition has been allocated to our Bank segment.

During fiscal 2016 the Company sold its Alogent business (Alogent) to Antelope Acquisition Co., an affiliate of Battery Ventures. Alogent was included in our Bank segment. Goodwill allocated to the carrying amount of the net assets sold was calculated based on the relative fair values of the business disposed and the portion of the reporting unit that was retained.



*Other Intangible Assets*

Information regarding other identifiable intangible assets is as follows:

	June 30, 2017		
	Gross Carrying Amount	Accumulated Amortization	Net
Customer relationships	\$ 262,693	\$ (172,260)	\$ 90,433
Computer software	\$ 543,913	\$ (296,596)	\$ 247,317
Other intangible assets:	\$ 71,190	\$ (34,797)	\$ 36,393

	June 30, 2016		
	Gross Carrying Amount	Accumulated Amortization	Net
Customer relationships	\$ 266,545	\$ (162,460)	\$ 104,085
Computer software	\$ 474,738	\$ (252,623)	\$ 222,115
Other intangible assets:	\$ 56,494	\$ (20,788)	\$ 35,706

Customer relationships have lives ranging from 5 to 20 years.

Computer software includes cost of software to be sold, leased, or marketed of \$117,065 and costs of internal-use software of \$130,252 at June 30, 2017 . At June 30, 2016 , costs of software to be sold, leased, or marketed totaled \$108,991 , and costs of internal-use software totaled \$113,124 .

Computer software includes the unamortized cost of commercial software products developed or acquired by the Company, which are capitalized and amortized over useful lives generally ranging from 5 to 10 years. Amortization expense for computer software totaled \$60,880 , \$54,810 , and \$43,798 for the fiscal years ended June 30, 2017 , 2016 , and 2015 , respectively. There were no material impairments in any of the fiscal years presented.

Our other intangible assets have useful lives ranging from 3 to 20 years.

Amortization expense for all intangible assets was \$90,109 , \$79,077 , and \$64,841 for the fiscal years ended June 30, 2017 , 2016 , and 2015 , respectively. The estimated aggregate future amortization expense for each of the next five years for all intangible assets remaining as of June 30, 2017 , is as follows:

Years Ending June 30,	Computer Software	Customer Relationships	Other Intangible Assets	Total
2018	\$ 60,412	\$ 12,220	\$ 12,779	\$ 85,411
2019	52,157	11,978	8,462	72,597
2020	41,555	10,074	2,962	54,591
2021	24,874	8,430	641	33,945
2022	9,522	7,811	613	17,946

**NOTE 5. DEBT**

The Company's outstanding long and short-term debt is as follows:

	June 30, 2017	June 30, 2016
<b>LONG-TERM DEBT</b>		
Revolving credit facility	\$ 50,000	\$ —
<b>SHORT-TERM DEBT</b>		
Capital leases	\$ —	\$ 200

The following table summarizes the future annual principal payments required for all outstanding debt as of June 30, 2017 :

Fiscal years ended June 30,

2020	50,000
	<u>\$ 50,000</u>

*Capital leases*

The Company had previously entered into various capital lease obligations for the use of certain computer equipment, but has no capital lease obligations at June 30, 2017 . At June 30, 2016 , the Company had capital lease obligations totaling \$200 and property and equipment included assets under capital leases totaling \$2,329 , with accumulated depreciation totaling \$898 .

*Revolving credit facility*

The revolving credit facility provides for borrowings of up to \$300,000 , which may be increased by the Company at any time until maturity to \$600,000 . The credit facility bears interest at a variable rate equal to (a) a rate based on LIBOR or (b) an alternate base rate (the highest of (i) the Prime Rate for such day, (ii) the sum of the Federal Funds Effective Rate for such day plus 0.50% and (iii) the Eurocurrency Rate for a one month Interest Period on such day for dollars plus 1.0% ), plus an applicable percentage in each case determined by the Company's leverage ratio. The credit facility is guaranteed by certain subsidiaries of the Company. The credit facility is subject to various financial covenants that require the Company to maintain certain financial ratios as defined in the agreement. As of June 30, 2017 , the Company was in compliance with all such covenants. The revolving loan terminates February 20, 2020 and at June 30, 2017 there was a \$50,000 outstanding balance.

*Other lines of credit*

The Company renewed an unsecured bank credit line on April 24, 2017 which provides for funding of up to \$5,000 and bears interest at the prime rate less 1.0% . The credit line was renewed through April 30, 2019 . At June 30, 2017 , no amount was outstanding.

*Interest*

The Company paid interest of \$767 , \$1,320 , and \$1,111 during the years ended June 30, 2017 , 2016 , and 2015 , respectively.

NOTE 6. COMMITMENTS AND CONTINGENCIES

*Property and Equipment*

The Company had no material commitments at June 30, 2017 to purchase property and equipment. There were also no material commitments at June 30, 2016 .

*Leases*

The Company leases certain property under operating leases which expire over the next 13 years, but certain of the leases contain options to extend the lease term. All lease payments are based on the lapse of time but include, in some cases, payments for operating expenses and property taxes. There are no purchase options on real estate leases at this time. Certain leases on real estate are subject to annual escalations for increases in operating expenses and property taxes.

As of June 30, 2017 , net future minimum lease payments are as follows:

Years Ending June 30,	Lease Payments
2018	\$ 10,945
2019	8,172
2020	6,675
2021	4,578
2022	3,317
Thereafter	14,304
<b>Total</b>	<b>\$ 47,991</b>

Rent expense was \$10,195 , \$10,167 , and \$9,547 in 2017 , 2016 , and 2015 respectively.

**NOTE 7. INCOME TAXES**

The provision for income taxes consists of the following:

	Year Ended June 30,		
	<u>2017</u>	<u>2016</u>	<u>2015</u>
<b>Current:</b>			
Federal	\$ 80,752	\$ 66,574	\$ 70,555
State	9,469	7,571	5,221
<b>Deferred:</b>			
Federal	25,756	34,355	28,018
State	5,184	3,169	1,425
	<u>\$ 121,161</u>	<u>\$ 111,669</u>	<u>\$ 105,219</u>

The tax effects of temporary differences related to deferred taxes shown on the balance sheets were:

	June 30,	
	<u>2017</u>	<u>2016</u>
<b>Deferred tax assets:</b>		
Contract and service revenues and costs	\$ 54,908	\$ 69,597
Expense reserves (bad debts, insurance, franchise tax and vacation)	14,648	14,770
Net operating loss carryforwards	3,547	3,543
Other, net	2,119	2,090
Total gross deferred tax assets	75,222	90,000
Valuation allowance	(357)	(608)
Net deferred tax assets	<u>74,865</u>	<u>89,392</u>
<b>Deferred tax liabilities:</b>		
Accelerated tax depreciation	(36,994)	(40,857)
Accelerated tax amortization	(178,999)	(160,719)
Contract and service revenues and costs	(78,413)	(76,417)
Total gross deferred liabilities	<u>(294,406)</u>	<u>(277,993)</u>
Net deferred tax liability	<u>\$ (219,541)</u>	<u>\$ (188,601)</u>

The following analysis reconciles the statutory federal income tax rate to the effective income tax rates reflected above:

	Year Ended June 30,		
	<u>2017</u>	<u>2016</u>	<u>2015</u>
Computed "expected" tax expense	35.0 %	35.0 %	35.0 %
Increase (reduction) in taxes resulting from:			
State income taxes, net of federal income tax benefits	2.6 %	1.9 %	1.4 %
Research and development credit	(2.0)%	(2.5)%	(1.5)%
Domestic production activities deduction	(2.1)%	(1.9)%	(2.0)%
Tax over book basis in subsidiary stock	— %	(1.7)%	— %
Tax effects of share-based payments	(0.7)%	— %	— %
Other (net)	0.2 %	0.2 %	0.4 %
	<u>33.0 %</u>	<u>31.0 %</u>	<u>33.3 %</u>

As of June 30, 2017, we have \$5,193 of gross federal net operating loss ("NOL") carryforwards pertaining to the acquisition of Goldleaf Financial Solutions, Inc., which are expected to be utilized after the application of IRC Section 382. Separately, as of June 30, 2017, we have state NOL carryforwards with a tax-effected value of \$1,731. The federal and state losses have varying expiration dates, ranging from fiscal year 2017 to 2036. Based on state tax rules which restrict our utilization of these losses, we believe it is more likely than not that \$357 of these losses will expire unutilized.

Accordingly, a valuation allowance of \$357 and \$608 has been recorded against these assets as of June 30, 2017 and 2016 , respectively.

The Company paid income taxes, net of refunds, of \$96,074 , \$90,307 , and \$61,885 in 2017 , 2016 , and 2015 respectively.

At June 30, 2017 , the Company had \$5,449 of gross unrecognized tax benefits, \$3,990 of which, if recognized, would affect our effective tax rate. At June 30, 2016 , the Company had \$7,421 of unrecognized tax benefits, \$5,986 of which, if recognized, would affect our effective tax rate. We had accrued interest and penalties of \$995 and \$1,178 related to uncertain tax positions at June 30, 2017 and 2016 , respectively. The income tax provision included interest expense and penalties (or benefits) on unrecognized tax benefits of \$(105) , \$47 , and \$(155) in the years ending June 30, 2017 , 2016 , and 2015 , respectively.

A reconciliation of the unrecognized tax benefits for the years ended June 30, 2017 and 2016 follows:

	Unrecognized Tax Benefits
Balance at July 1, 2015	\$ 7,104
Additions for current year tax positions	1,581
Reductions for current year tax positions	(56)
Additions for prior year tax positions	507
Reductions for prior year tax positions	(38)
Reductions related to expirations of statute of limitations	(1,677)
Balance at June 30, 2016	7,421
<b>Additions for current year tax positions</b>	<b>1,457</b>
<b>Reductions for current year tax positions</b>	<b>—</b>
<b>Additions for prior year tax positions</b>	<b>23</b>
<b>Reductions for prior year tax positions</b>	<b>(766)</b>
<b>Settlements</b>	<b>(1,040)</b>
<b>Reductions related to expirations of statute of limitations</b>	<b>(1,646)</b>
<b>Balance at June 30, 2017</b>	<b>\$ 5,449</b>

During the period ended June 30, 2016 , the Internal Revenue Service commenced an examination of the Company's U.S. federal income tax returns for fiscal years ended June 30, 2014 and 2015 . The examination was completed during the quarter ending December 31, 2016 . The closing of the examination did not result in a material change to the Company's financial statements.

The U.S. federal and state income tax returns for June 30, 2014 and all subsequent years remain subject to examination as of June 30, 2017 under statute of limitations rules. We anticipate that potential changes due to lapsing statutes of limitations and examination closures could reduce the unrecognized tax benefits balance by \$500 - \$1,500 within twelve months of June 30, 2017 .

#### NOTE 8. INDUSTRY AND SUPPLIER CONCENTRATIONS

The Company sells its products to banks, credit unions, and financial institutions throughout the United States and generally does not require collateral. All billings to customers are due 30 days from date of billing. Reserves (which are insignificant at June 30, 2017 and 2016 ) are maintained for potential credit losses.

In addition, some of the Company's key solutions are dependent on technology manufactured by IBM Corporation and Microsoft. Termination of the Company's relationship with either IBM or Microsoft could have a negative impact on the operations of the Company.

#### NOTE 9. STOCK-BASED COMPENSATION

Our pre-tax operating income for the years ended June 30, 2017 , 2016 , and 2015 includes \$11,129 , \$10,720 , and \$10,112 of equity-based compensation costs, respectively, of which \$9,861 , \$9,712 , and \$9,251 relates to the restricted stock plans, respectively. The income tax benefits from stock option exercises and restricted stock vests totaled \$2,638 , \$1,051 , and \$4,343 for the years ended June 30, 2017 , 2016 , and 2015 , respectively.

*2015 Equity Incentive Plan and 2005 Non-Qualified Stock Option Plan*

On November 10, 2015, the Company adopted the 2015 Equity Incentive Plan ("2015 EIP") for its employees and non-employee directors. The plan allows for grants of stock options, stock appreciation rights, restricted stock shares or units, and performance shares or units. The maximum number of shares authorized for issuance under the plan is 3,000. For stock options, terms and vesting periods of the options were determined by the Compensation Committee of the Board of Directors when granted. The option period must expire not more than ten years from the options grant date. The options granted under this plan are exercisable beginning three years after grant at an exercise price equal to 100% of the fair market value of the stock at the grant date. The options terminate upon surrender of the option, ninety days after termination of employment, upon the expiration of one year following notification of a deceased optionee, or 10 years after grant.

The Company previously issued options to outside directors under the 2005 Non-Qualified Stock Option Plan ("2005 NSOP"). No additional stock options may be issued under this plan.

The 2005 NSOP was adopted by the Company on September 23, 2005, for its outside directors. Generally, options were exercisable beginning 6 months after grant at an exercise price equal to the fair market value of the stock at the grant date. For individuals who have served less than four continuous years, 25% of all options will vest after one year of service, 50% shall vest after two years, and 75% shall vest after three years of service on the Board. The options terminate upon surrender of the option, upon the expiration of one year following notification of a deceased optionee, or 10 years after grant. 700 shares of common stock were reserved for issuance under this plan with a maximum of 100 for each director.

A summary of option plan activity under the plans is as follows:

	Number of Shares	Weighted Average Exercise Price	Aggregate Intrinsic Value
Outstanding July 1, 2014	125	\$ 22.29	
Granted	—	—	
Forfeited	—	—	
Exercised	(25)	19.17	
Outstanding July 1, 2015	100	23.07	
Granted	—	—	
Forfeited	—	—	
Exercised	(50)	23.99	
Outstanding July 1, 2016	50	22.14	
Granted	32	87.27	
Forfeited	—	—	
Exercised	(10)	28.52	
<b>Outstanding June 30, 2017</b>	<b>72</b>	<b>\$ 50.04</b>	<b>\$ 3,859</b>
<b>Vested and Expected to Vest June 30, 2017</b>	<b>72</b>	<b>\$ 50.04</b>	<b>\$ 3,859</b>
<b>Exercisable June 30, 2017</b>	<b>40</b>	<b>\$ 20.55</b>	<b>\$ 3,333</b>

There were 32 options granted in fiscal 2017, and no options granted during either of the two prior years presented. The weighted-average fair value at the grant date of options granted during fiscal 2017 was \$15.78.

The Company utilized a Black-Scholes option pricing model to estimate fair value of the stock option grants at the grant date. All 32 options granted during fiscal 2017 were granted on July 1, 2016. Assumptions such as expected life, volatility, risk-free interest rate, and dividend yield impact the fair value estimate. These assumptions are subjective and generally require significant analysis and judgment to develop. The risk free interest rate used in our estimate was determined from external data, while volatility, expected life, and dividend yield assumptions were derived from our historical experience with share-based payment arrangements. The appropriate weight to place on historical experience is a matter of judgment, based on relevant facts and circumstances. The assumptions used in estimating fair value and resulting compensation expenses at the grant dates are as follows:

Expected Life (years)	6.50
Volatility	19.60%
Risk free interest rate	1.24%
Dividend yield	1.28%

At June 30, 2017, there was \$334 of compensation cost yet to be recognized related to outstanding options. The weighted average remaining contractual term on options currently exercisable as of June 30, 2017 was 1.88 years.

The total intrinsic value of options exercised was \$747, \$3,011, and \$1,044 for the fiscal years ended June 30, 2017, 2016, and 2015, respectively.

*Restricted Stock Plan and 2015 Equity Incentive Plan*

The Restricted Stock Plan was adopted by the Company on November 1, 2005, for its employees. The plan expired on November 1, 2015. Up to 3,000 shares of common stock were available for issuance under the plan. The 2015 EIP was adopted by the company on November 10, 2015 for its employees. Up to 3,000 shares of common stock are available for issuance under the 2015 Equity Incentive Plan. Upon issuance, shares of restricted stock are subject to forfeiture and to restrictions which limit the sale or transfer of the shares during the restriction period. The restrictions will be lifted over periods ranging from 3 years to 5 years from grant date.

The following table summarizes non-vested share awards activity:

**Share awards**

	Shares	Weighted Average Grant Date Fair Value
Outstanding July 1, 2014	138	33.56
Granted	12	57.77
Vested	(71)	35.69
Forfeited	(7)	46.39
Outstanding July 1, 2015	72	34.28
Granted	22	66.31
Vested	(24)	43.45
Forfeited	(12)	23.82
Outstanding July 1, 2016	58	44.95
Granted	17	87.27
Vested	(38)	37.00
Forfeited	(1)	65.52
<b>Outstanding June 30, 2017</b>	<b>36</b>	<b>\$ 73.66</b>

The non-vested share awards granted prior to July 1, 2016 do not participate in dividends during the restriction period. As a result, the weighted-average fair value of the non-vested share awards was based on the fair market value of the Company's equity shares on the grant date, less the present value of the expected future dividends to be declared during the restriction period, consistent with the methodology for calculating compensation expense on such awards. The 17 non-vested share awards granted during the year ending June 30, 2017 do participate in dividends during the restriction period. The weighted-average fair value of such participating awards was based on the fair market value on the grant date.

At June 30, 2017, there was \$1,094 of compensation expense that has yet to be recognized related to non-vested restricted stock share awards, which will be recognized over a weighted-average period of 0.96 years.

An amendment to the Restricted Stock Plan was adopted by the Company on August 20, 2010. Unit awards were made to employees remaining in continuous employment throughout the performance period and vary based on the Company's percentile ranking in Total Shareholder Return ("TSR") over the performance period compared to a peer group of companies. TSR is defined as the change in the stock price through the performance period plus dividends per share paid during the performance period, all divided by the stock price at the beginning of the performance period. It is the intention of the Company to settle the unit awards in shares of the Company's stock. Certain Restricted Stock Unit awards are not tied to performance goals, and for such awards, vesting occurs over a period of 1 to 3 years.

The following table summarizes non-vested unit awards as of June 30, 2017 , as well as activity for the year then ended:

Unit awards	Shares	Weighted Average Grant Date Fair Value	Aggregate Intrinsic Value
Outstanding July 1, 2014	709	31.66	
Granted	178	53.62	
Vested	(277)	19.69	
Forfeited	(111)	22.74	
Outstanding July 1, 2015	499	48.13	
Granted	130	75.99	
Vested	(99)	44.09	
Forfeited	(101)	45.89	
Outstanding July 1, 2016	429	58.06	
Granted	130	77.75	
Vested	(136)	50.12	
Forfeited	(37)	54.30	
<b>Outstanding June 30, 2017</b>	<b>386</b>	<b>\$67.84</b>	<b>\$40,043</b>

The Company utilized a Monte Carlo pricing model customized to the specific provisions of the Company's plan design to value unit awards subject to performance targets on the grant dates. The weighted average assumptions used in this model to estimate fair value at the grant dates are as follows:

	Year Ended June 30,		
	<u>2017</u>	<u>2016</u>	<u>2015</u>
Volatility	16.0%	15.6%	17.8%
Risk free interest rate	0.93%	1.06%	1.06%
Dividend yield	1.3%	1.5%	1.5%
Stock Beta	0.684	0.741	0.765

For the year ended June 30, 2017 , 85 unit awards were granted and measured using the above assumptions. The remaining 45 unit awards granted are not subject to performance targets, and therefore the estimated fair value at measurement date is valued in the same manner as restricted stock award grants.

At June 30, 2017 , there was \$9,887 of compensation expense that has yet to be recognized related to non-vested restricted stock unit awards, which will be recognized over a weighted-average period of 1.04 years .

The fair value of restricted shares and units at vest date totaled \$15,085 , \$8,677 , and \$20,275 for the years ended June 30, 2017 , 2016 , and 2015 , respectively.

**NOTE 10. EARNINGS PER SHARE**

The following table reflects the reconciliation between basic and diluted earnings per share.

	Year Ended June 30,		
	<u>2017</u>	<u>2016</u>	<u>2015</u>
Net Income	\$ 245,793	\$ 248,867	\$ 211,221
<b>Common share information:</b>			
Weighted average shares outstanding for basic earnings per share	77,856	79,416	81,353
Dilutive effect of stock options and restricted stock	399	318	248
Weighted average shares outstanding for diluted earnings per share	78,255	79,734	81,601
Basic earnings per share	\$ 3.16	\$ 3.13	\$ 2.60
Diluted earnings per share	\$ 3.14	\$ 3.12	\$ 2.59

Per share information is based on the weighted average number of common shares outstanding for each of the fiscal years. Stock options and restricted stock have been included in the calculation of earnings per share to the extent they are dilutive. The two-class method for computing EPS has not been applied because no outstanding awards contain non-forfeitable rights to participate in dividends. There were 32 anti-dilutive stock options and restricted stock excluded for fiscal 2017 , 0 shares excluded for fiscal 2016 , and 0 shares excluded for fiscal 2015 .

#### NOTE 11. EMPLOYEE BENEFIT PLANS

The Company established an employee stock purchase plan in 2006 . The plan allows the majority of employees the opportunity to directly purchase shares of the Company at a 15% discount. The plan does not meet the criteria as a non-compensatory plan. As a result, the Company records the total dollar value of the stock discount given to employees under the plan as expense. Total expense recorded by the Company under the plan for the year ended June 30, 2017 , 2016 and 2015 was \$1,102 , \$1,008 and \$861 , respectively.

The Company has a defined contribution plan for its employees: the 401(k) Retirement Savings Plan (the "Plan"). The Plan is subject to the Employee Retirement Income Security Act of 1975 ("ERISA") as amended. Under the Plan, the Company matches 100% of full time employee contributions up to 5% of eligible compensation subject to a maximum of \$5 per year. In order to receive matching contributions, employees must be 18 years of age and be employed for at least six months . The Company has the option of making a discretionary contribution; however, none has been made for any of the three most recent fiscal years. The total matching contributions for the Plan were \$17,550 , \$16,794 , and \$15,378 for fiscal 2017 , 2016 and 2015 , respectively.

#### NOTE 12. BUSINESS ACQUISITION

##### *Bayside Business Solutions, Inc.*

Effective July 1, 2015 , the Company acquired all of the equity interests of Bayside Business Solutions, an Alabama-based company that provides technology solutions and payment processing services primarily for the financial services industry, for \$10,000 paid in cash. This acquisition was funded using existing operating cash. The acquisition of Bayside Business Solutions expanded the Company's presence in commercial lending within the industry.

Management has completed a purchase price allocation of Bayside Business Solutions and its assessment of the fair value of acquired assets and liabilities assumed. The recognized amounts of identifiable assets acquired and liabilities assumed, based upon their fair values as of July 1, 2015 are set forth below:

Current assets	<b>\$</b>	<b>1,922</b>
Long-term assets		<b>253</b>
Identifiable intangible assets		<b>5,005</b>
Total liabilities assumed		<b>(3,279)</b>
Total identifiable net assets		<b>3,901</b>
Goodwill		<b>6,099</b>
Net assets acquired	<b>\$</b>	<b>10,000</b>

The goodwill of \$6,099 arising from this acquisition consists largely of the growth potential, synergies and economies of scale expected from combining the operations of the Company with those of Bayside Business Solutions, together with the value of Bayside Business Solutions' assembled workforce. Goodwill from this acquisition has been allocated to our Bank Systems and Services segment. The goodwill is not expected to be deductible for income tax purposes.

Identifiable intangible assets from this acquisition consist of customer relationships of \$3,402 , \$659 of computer software and other intangible assets of \$944 . The weighted average amortization period for acquired customer relationships, acquired computer software, and other intangible assets is 15 years , 5 years , and 20 years , respectively.

Current assets were inclusive of cash acquired of \$1,725 . The fair value of current assets acquired included accounts receivable of \$178 . The gross amount of receivables was \$178 , none of which was expected to be uncollectible.

During fiscal year 2016, the Company incurred \$55 in costs related to the acquisition of Bayside Business Solutions. These costs included fees for legal, valuation and other fees. These costs were included within general and administrative expenses.

The results of Bayside Business Solutions' operations included in the Company's consolidated statement of income for the twelve months ended June 30, 2017 included revenue of \$6,536 and after-tax net income of \$1,307 . For the



twelve months ended June 30, 2016 , Bayside Business Solutions' contributed \$4,273 to revenue, and after-tax net income of \$303 .

The accompanying consolidated statements of income do not include any revenues and expenses related to this acquisition prior to the acquisition date. The impact of this acquisition was considered immaterial to both the current and prior periods of our consolidated financial statements and pro forma financial information has not been provided.

#### NOTE 13. REPORTABLE SEGMENT INFORMATION

The Company is a leading provider of technology solutions and payment processing services primarily for financial services organizations. The Company's operations are classified into two reportable segments: bank systems and services ("Bank") and credit union systems and services ("Credit Union"). The Company evaluates the performance of its segments and allocates resources to them based on various factors, including prospects for growth, return on investment, and return on revenue.

	Year Ended		
	June 30, 2017		
	Bank	Credit Union	Total
<b>REVENUE</b>			
License	\$ 1,928	\$ 457	\$ 2,385
Support and service	1,025,378	358,960	1,384,338
Hardware	28,457	15,937	44,394
<b>Total revenue</b>	<b>1,055,763</b>	<b>375,354</b>	<b>1,431,117</b>
<b>COST OF SALES</b>			
Cost of license	627	103	730
Cost of support and service	605,414	180,729	786,143
Cost of hardware	20,281	11,880	32,161
<b>Total cost of sales</b>	<b>626,322</b>	<b>192,712</b>	<b>819,034</b>
<b>GROSS PROFIT</b>	<b>\$ 429,441</b>	<b>\$ 182,642</b>	<b>612,083</b>
<b>OPERATING EXPENSES</b>			<b>244,381</b>
<b>INTEREST INCOME (EXPENSE)</b>			<b>(748)</b>
<b>INCOME BEFORE INCOME TAXES</b>			<b>\$ 366,954</b>

	Year Ended June 30, 2016		
	Bank	Credit Union	Total
<b>REVENUE</b>			
License	\$ 2,536	\$ 505	\$ 3,041
Support and service	960,738	340,240	1,300,978
Hardware	33,394	17,233	50,627
<b>Total revenue</b>	<u>996,668</u>	<u>357,978</u>	<u>1,354,646</u>
<b>COST OF SALES</b>			
Cost of license	1,058	139	1,197
Cost of support and service	564,851	172,257	737,108
Cost of hardware	23,159	12,187	35,346
<b>Total cost of sales</b>	<u>589,068</u>	<u>184,583</u>	<u>773,651</u>
<b>GROSS PROFIT</b>	<u>\$ 407,600</u>	<u>\$ 173,395</u>	<u>580,995</u>
<b>OPERATING EXPENSES</b>			219,336
<b>INTEREST INCOME (EXPENSE)</b>			(1,123)
<b>INCOME BEFORE INCOME TAXES</b>			<u>\$ 360,536</u>

	Year Ended June 30, 2015		
	Bank	Credit Union	Total
<b>REVENUE</b>			
License	\$ 1,727	\$ 908	\$ 2,635
Support and service	922,545	278,107	1,200,652
Hardware	38,457	14,446	52,903
<b>Total revenue</b>	<u>962,729</u>	<u>293,461</u>	<u>1,256,190</u>
<b>COST OF SALES</b>			
Cost of license	832	355	1,187
Cost of support and service	533,407	147,343	680,750
Cost of hardware	27,831	10,568	38,399
<b>Total cost of sales</b>	<u>562,070</u>	<u>158,266</u>	<u>720,336</u>
<b>GROSS PROFIT</b>	<u>\$ 400,659</u>	<u>\$ 135,195</u>	<u>535,854</u>
<b>OPERATING EXPENSES</b>			217,989
<b>INTEREST INCOME (EXPENSE)</b>			(1,425)
<b>INCOME BEFORE INCOME TAXES</b>			<u>\$ 316,440</u>

The Company has not disclosed any additional asset information by segment, as the information is not produced internally and its preparation is impracticable.

NOTE 14: SUBSEQUENT EVENTS

*Dividends*

On August 18, 2017, the Company's Board of Directors declared a cash dividend of \$0.31 per share on its common stock, payable on September 28, 2017 to shareholders of record on September 8, 2017.

*Change in Reportable Segments*

Beginning in the first quarter of fiscal 2018, JHA intends to make a change to the reportable segment structure. The current Bank and Credit Union segments will be replaced by four new segments: Payments, Core Software, Complementary Software, and Corporate/ Other. The proposed change is being made based on the view of our new Chief Operating Decision Maker, David Foss, that the Company could be more effectively managed using a product-centric approach as opposed to the customer-centric approach that had been previously used.

**QUARTERLY FINANCIAL INFORMATION**  
(unaudited)

	For the Year Ended June 30, 2017				
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total
<b>REVENUE</b>					
License	\$ 694	\$ 849	\$ 516	\$ 326	\$ 2,385
Support and service	333,046	337,515	342,769	371,008	1,384,338
Hardware	11,288	10,189	10,482	12,435	44,394
<b>Total revenue</b>	<b>345,028</b>	<b>348,553</b>	<b>353,767</b>	<b>383,769</b>	<b>1,431,117</b>
<b>COST OF SALES</b>					
Cost of license	252	59	280	139	730
Cost of support and service	185,892	191,269	198,844	210,138	786,143
Cost of hardware	8,619	6,818	7,603	9,121	32,161
<b>Total cost of sales</b>	<b>194,763</b>	<b>198,146</b>	<b>206,727</b>	<b>219,398</b>	<b>819,034</b>
<b>GROSS PROFIT</b>	<b>150,265</b>	<b>150,407</b>	<b>147,040</b>	<b>164,371</b>	<b>612,083</b>
<b>OPERATING EXPENSES</b>					
Selling and marketing	22,127	21,903	23,571	25,696	93,297
Research and development	19,739	20,873	20,801	23,340	84,753
General and administrative	16,982	18,989	16,223	17,407	69,601
Gain on disposal of businesses*	—	36	(2,286)	(1,020)	(3,270)
<b>Total operating expenses</b>	<b>58,848</b>	<b>61,801</b>	<b>58,309</b>	<b>65,423</b>	<b>244,381</b>
<b>OPERATING INCOME</b>	<b>91,417</b>	<b>88,606</b>	<b>88,731</b>	<b>98,948</b>	<b>367,702</b>
<b>INTEREST INCOME (EXPENSE)</b>					
Interest income	108	60	42	38	248
Interest expense	(142)	(184)	(278)	(392)	(996)
<b>Total interest income (expense)</b>	<b>(34)</b>	<b>(124)</b>	<b>(236)</b>	<b>(354)</b>	<b>(748)</b>
<b>INCOME BEFORE INCOME TAXES</b>	<b>91,383</b>	<b>88,482</b>	<b>88,495</b>	<b>98,594</b>	<b>366,954</b>
<b>PROVISION FOR INCOME TAXES</b>	<b>29,139</b>	<b>29,668</b>	<b>28,451</b>	<b>33,903</b>	<b>121,161</b>
<b>NET INCOME</b>	<b>\$ 62,244</b>	<b>\$ 58,814</b>	<b>\$ 60,044</b>	<b>\$ 64,691</b>	<b>\$ 245,793</b>
<b>Basic earnings per share</b>					
Basic earnings per share	\$ 0.79	\$ 0.76	\$ 0.77	\$ 0.83	\$ 3.16
Basic weighted average shares outstanding	78,413	77,814	77,597	77,602	77,856
<b>Diluted earnings per share</b>					
Diluted earnings per share	\$ 0.79	\$ 0.75	\$ 0.77	\$ 0.83	\$ 3.14
Diluted weighted average shares outstanding	78,844	78,180	77,932	78,064	78,255

\*Gain on disposal of business was included in general and administrative expenses within the financial statements previously filed in the Company's Quarterly Reports on Form 10-Q.

**For the Year Ended June 30, 2016**

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total
<b>REVENUE</b>					
License	\$ 1,604	\$ 634	\$ 292	\$ 511	\$ 3,041
Support and service	307,746	320,219	319,649	353,364	1,300,978
Hardware	12,268	12,019	13,245	13,095	50,627
<b>Total revenue</b>	<b>321,618</b>	<b>332,872</b>	<b>333,186</b>	<b>366,970</b>	<b>1,354,646</b>
<b>COST OF SALES</b>					
Cost of license	181	498	193	325	1,197
Cost of support and service	174,714	181,989	184,527	195,878	737,108
Cost of hardware	8,768	7,958	9,553	9,067	35,346
<b>Total cost of sales</b>	<b>183,663</b>	<b>190,445</b>	<b>194,273</b>	<b>205,270</b>	<b>773,651</b>
<b>GROSS PROFIT</b>	<b>137,955</b>	<b>142,427</b>	<b>138,913</b>	<b>161,700</b>	<b>580,995</b>
<b>OPERATING EXPENSES</b>					
Selling and marketing	21,751	22,231	22,732	23,365	90,079
Research and development	18,554	18,862	19,854	23,964	81,234
General and administrative	17,113	16,547	16,497	17,357	67,514
Gain on disposal of businesses	—	—	—	(19,491)	(19,491)
<b>Total operating expenses</b>	<b>57,418</b>	<b>57,640</b>	<b>59,083</b>	<b>45,195</b>	<b>219,336</b>
<b>OPERATING INCOME</b>	<b>80,537</b>	<b>84,787</b>	<b>79,830</b>	<b>116,505</b>	<b>361,659</b>
<b>INTEREST INCOME (EXPENSE)</b>					
Interest income	113	91	54	49	307
Interest expense	(220)	(276)	(486)	(448)	(1,430)
<b>Total interest income (expense)</b>	<b>(107)</b>	<b>(185)</b>	<b>(432)</b>	<b>(399)</b>	<b>(1,123)</b>
<b>INCOME BEFORE INCOME TAXES</b>	<b>80,430</b>	<b>84,602</b>	<b>79,398</b>	<b>116,106</b>	<b>360,536</b>
<b>PROVISION FOR INCOME TAXES</b>	<b>29,064</b>	<b>25,254</b>	<b>25,515</b>	<b>31,836</b>	<b>111,669</b>
<b>NET INCOME</b>	<b>\$ 51,366</b>	<b>\$ 59,348</b>	<b>\$ 53,883</b>	<b>\$ 84,270</b>	<b>\$ 248,867</b>
<b>Basic net income per share</b>					
Basic net income per share	\$ 0.64	\$ 0.75	\$ 0.68	\$ 1.07	\$ 3.13
<b>Basic weighted average shares outstanding</b>					
Basic weighted average shares outstanding	80,545	79,473	78,805	78,841	79,416
<b>Diluted net income per share</b>					
Diluted net income per share	\$ 0.64	\$ 0.74	\$ 0.68	\$ 1.06	\$ 3.12
<b>Diluted weighted average shares outstanding</b>					
Diluted weighted average shares outstanding	80,735	79,770	79,167	79,261	79,734

**ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURES**

None.

**ITEM 9A. CONTROLS AND PROCEDURES**

Disclosure Controls and Procedures

As of the end of the period covered by this Annual Report on Form 10-K, an evaluation was carried out under the supervision and with the participation of our management, including our Company's Chief Executive Officer (CEO) and Chief Financial Officer (CFO), of the effectiveness of the design and operation of our disclosure controls and procedures pursuant to Exchange Act Rules 13a-15 and 15d-15. Based upon that evaluation, the CEO and CFO concluded that our disclosure controls and procedures are effective to ensure that information we are required to disclose in reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in SEC rules and forms. For this purpose, disclosure controls and procedures include controls and procedures designed to ensure that information required to be disclosed under the Exchange Act is accumulated and communicated to the Company's management, including the CEO and CFO, as appropriate to allow timely decisions regarding required disclosure.

Management's Report on Internal Control over Financial Reporting

The Management's Report on Internal Control over Financial Reporting required by this Item 9A is in Item 8, "Financial Statements and Supplementary Data." The Company's independent registered public accounting firm has audited our internal control over financial reporting as of June 30, 2017 ; their report is included in Item 8 of this Form 10-K.

Changes in Internal Control over Financial Reporting

There has been no change in internal control over financial reporting that has materially affected, or is reasonably likely to affect, the Company's internal control over financial reporting.

**ITEM 9B. OTHER INFORMATION**

None.

### **PART III**

Information required by Items 10, 11, 12, 13 and 14 of Part III is omitted from this report and will be filed within 120 days after the Company's June 30, 2017 fiscal year end in the definitive proxy statement for our 2017 Annual Meeting of Stockholders (the "Proxy Statement").

#### **ITEM 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE**

See the information under the captions "Election of Directors", "Corporate Governance", "Section 16(a) Beneficial Ownership Reporting Compliance", and "Executive Officers and Significant Employees" in the Proxy Statement, which is incorporated herein by reference.

#### **ITEM 11. EXECUTIVE COMPENSATION**

See the information under captions "Corporate Governance", "Compensation Committee Report", "Compensation Discussion and Analysis", "Compensation and Risk", and "Executive Compensation" in the Proxy Statement, which is incorporated herein by reference.

#### **ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS**

See the information under the captions "Stock Ownership of Certain Stockholders" and "Equity Compensation Plan Information" in the Proxy Statement, which is incorporated herein by reference.

#### **ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE**

See the information under the captions "Election of Directors - Director Independence" and "Certain Relationships and Related Transactions" in the Proxy Statement, which is incorporated herein by reference.

#### **ITEM 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES**

See the information under the captions "Audit Committee Report" and "Ratification of the Selection of Independent Registered Public Accounting Firm" in the Proxy Statement, which is incorporated herein by reference.

## PART IV

### ITEM 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES

**(a) The following documents are filed as part of this Report:**

(1) The following Consolidated Financial Statements of the Company and its subsidiaries and the Report of Independent Registered Public Accounting Firm thereon appear under Item 8 of this Report:

- Reports of Independent Registered Public Accounting Firm
- Consolidated Statements of Income for the years ended June 30, 2017 , 2016 and 2015
- Consolidated Balance Sheets as of June 30, 2017 and 2016
- Consolidated Statements of Changes in Stockholders' Equity for the years ended June 30, 2017 , 2016 and 2015
- Consolidated Statements of Cash Flows for the years ended June 30, 2017 , 2016 and 2015
- Notes to the Consolidated Financial Statements

(2) The following Financial Statement Schedules filed as part of this Report appear under Item 8 of this Report:

There are no schedules included because they are not applicable or the required information is shown in the Consolidated Financial Statements or Notes thereto.

(3) See "Index to Exhibits" set forth below.

All exhibits not attached hereto are incorporated by reference to a prior filing as indicated.

#### Index to Exhibits

<u>Exhibit No.</u>	<u>Description</u>
3.1.7	Restated Certificate of Incorporation attached as Exhibit 3.1.7 to the Company's Annual Report on Form 10-K for the Year ended June 30, 2003 (SEC File No. 0-14112).
3.2.6	Restated and Amended Bylaws attached as Exhibit 3.2.6 to the Company's Current Report on Form 8-K filed February 17, 2016 (SEC File No. 0-14112).
10.8	Form of Indemnity Agreement entered into as of August 27, 1996, between the Company and each of its Directors and Executive Officers, attached as Exhibit 10.8 to the Company's Annual Report on Form 10-K for the Year Ended June 30, 1996 (SEC File No. 0-14112).
10.32	Form of Restricted Stock Agreement (executives) attached as Exhibit 10.32 to the Company's Current Report on Form 8-K filed September 10, 2007 (SEC File No. 0-14112).
10.38	Jack Henry & Associates, Inc. 2005 Non-Qualified Stock Option Plan, as amended and restated May 9, 2008, attached as Exhibit 10.38 to the Company's Annual Report on Form 10-K filed August 29, 2008 (SEC File No. 0-14112).
10.39	Revised Form of Restricted Stock Agreement (executives) attached as Exhibit 10.39 to the Company's Quarterly Report on Form 10-Q filed November 6, 2009 (SEC File No. 0-14112).
10.43	Jack Henry & Associates Inc. Restricted Stock Plan, as amended and restated effective November 9, 2010, attached as Exhibit 10.1 to the Company's Current Report on Form 8-K filed November 12, 2010 (SEC File No. 0-14112).
10.44	Form of Performance Shares Agreement attached as Exhibit 10.1 to the Company's Current Report on Form 8-K filed September 12, 2012 (SEC File No. 0-14112).
10.45	Jack Henry & Associates, Inc. 2012 Annual Incentive Plan, effective September 1, 2012 and approved by the stockholders on November 14, 2012, attached as Exhibit 10.1 to the Company's Current Report on Form 8-K filed November 16, 2012. (SEC File No. 0-14112)



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- 10.46 Jack Henry & Associates, Inc. 2005 Non-Qualified Stock Option Plan, as amended August 20, 2010, attached as Exhibit 10.1 to the Company's Quarterly Report on form 10-Q filed February 7, 2013 (SEC File No. 0-14112).
- 10.47 Form of Restricted Stock Agreement (independent directors) attached as Exhibit 10.47 to the Company's Quarterly Report on Form 10-Q filed November 8, 2013 (SEC File No. 0-14112).
- 10.48 Form of Termination Benefits Agreements (executives) attached as Exhibit 10.48 to the Company's Quarterly Report on Form 10-Q filed February 6, 2014 (SEC File No. 0-14112).
- 10.49 Jack Henry & Associates, Inc. Deferred Compensation Plan attached as Exhibit 10.49 to the Company's Quarterly Report on Form 10-Q filed November 5, 2014 (SEC File No. 0-14112).
- 10.50 Jack Henry & Associates, Inc. Non-Employee Directors Deferred Compensation Plan attached as Exhibit 10.50 to the Company's Quarterly Report on Form 10-Q filed November 5, 2014 (SEC File No. 0-14112).
- 10.51 Form of Performance Shares Agreement (executives) attached as Exhibit 10.51 to the Company's Quarterly Report on Form 10-Q filed November 5, 2014 (SEC File No. 0-14112).
- 10.52 Credit Agreement among Jack Henry & Associates, Inc., U.S. Bank National Association and certain other Lenders, attached as Exhibit 10.52 to the Company's Current Report on Form 8-K filed February 24, 2015 (SEC File No. 0-14112).
- 10.53 Form of Restricted Stock Unit Agreement (Non-Employee Directors) attached as Exhibit 10.52 to the Company's Quarterly Report on Form 10-Q filed June 25, 2015 (SEC File No. 0-14112).
- 10.54 First Amendment to Credit Agreement attached as Exhibit 10.53 to the Company's Quarterly Report on Form 10-Q filed June 25, 2015 (SEC File No. 0-14112).
- 10.55 Second Amendment to Credit Agreement attached as Exhibit 10.54 to the Company's Quarterly Report on Form 10-Q filed June 25, 2015 (SEC File No. 0-14112).
- 10.56 Jack Henry & Associates, Inc. 2015 Equity Incentive Plan attached as Exhibit 10.56 to the Company's Current Report on Form 8-K filed November 16, 2015 (SEC File No. 0-14112).
- 10.57 Form of Restricted Stock Unit Agreement (non-employee directors) attached as Exhibit 10.57 to the Company's Quarterly Report on Form 10-Q filed February 5, 2016 (SEC File No. 0-14112).
- 10.58 Form of Nonqualified Stock Option Agreement (executives) attached as Exhibit 10.58 to the Company's Current Report on Form 8-K filed July 1, 2016 (SEC File No. 0-14112).
- 10.59 Form of Restricted Stock Agreement (executives) attached as Exhibit 10.59 to the Company's Current Report on Form 8-K filed July 1, 2016 (SEC File No. 0-14112).
- 10.60 Form of Performance Shares Agreement attached as Exhibit 10.60 to the Company's Current Report of Form 8-K filed September 13, 2016 (SEC File No. 0-14112).
- 10.61 Jack Henry & Associates, Inc. 2006 Employee Stock Purchase Plan, as amended and restated effective November 10, 2016, attached as Exhibit 99.1 to the Company's Registration Statement on Form S-8 filed November 16, 2016 (SEC File No. 333-214631).
- 10.62\* Form of Performance Shares Agreement.
- 21.1\* List of the Company's subsidiaries.
- 23.1\* Consent of Independent Registered Public Accounting Firm- PricewaterhouseCoopers LLP.

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23.2*	Consent of Independent Registered Public Accounting Firm- Deloitte & Touche LLP.
31.1*	Certification of the Chief Executive Officer.
31.2*	Certification of the Chief Financial Officer.
32.1*	Written Statement of the Chief Executive Officer Pursuant to 18 U.S.C. Section 1350.
32.2*	Written Statement of the Chief Financial Officer Pursuant to 18 U.S.C. Section 1350.
101.INS**	XBRL Instance Document
101.SCH**	XBRL Taxonomy Extension Schema Document
101.CAL**	XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF**	XBRL Taxonomy Extension Definition Linkbase Document
101.LAB**	XBRL Taxonomy Extension Label Linkbase Document
101.PRE**	XBRL Taxonomy Extension Presentation Linkbase Document

\* Furnished with this report on Form 10-K.

\*\* Filed with this report on Form 10-K are the following documents formatted in XBRL (Extensible Business Reporting Language): (i) the Consolidated Balance Sheets at June 30, 2017 and June 30, 2016 , (ii) the Consolidated Statements of Income for the years ended June 30, 2017 , 2016 and 2015 , (iii) the Consolidated Statements of Shareholders' Equity for the years ended June 30, 2017 , 2016 and 2015 , (iv) the Consolidated Statements of Cash Flows for the years ended June 30, 2017 , 2016 and 2015 , and (v) Notes to Consolidated Financial Statements.

**ITEM 16. FORM 10-K SUMMARY**

None.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized this 25th day of August, 2017 .

JACK HENRY & ASSOCIATES, INC., Registrant

By /s/ David B. Foss  
Chief Executive Officer

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated:

<b><u>Signature</u></b>	<b><u>Capacity</u></b>	<b><u>Date</u></b>
<u>/s/ John F. Prim</u> John F. Prim	Executive Chairman of the Board and Director	August 25, 2017
<u>/s/ David B. Foss</u> David B. Foss	President, Chief Executive Officer, and Director (Principal Executive Officer)	August 25, 2017
<u>/s/ Kevin D. Williams</u> Kevin D. Williams	Chief Financial Officer and Treasurer (Principal Accounting Officer)	August 25, 2017
<u>/s/ Matthew Flanigan</u> Matthew Flanigan	Director	August 25, 2017
<u>/s/ Tom H. Wilson, Jr</u> Tom H. Wilson, Jr	Director	August 25, 2017
<u>/s/ Jacqueline R. Fiegel</u> Jacqueline R. Fiegel	Director	August 25, 2017
<u>/s/ Thomas A. Wimsett</u> Thomas A. Wimsett	Director	August 25, 2017
<u>/s/ Laura G. Kelly</u> Laura G. Kelly	Director	August 25, 2017
<u>/s/ Shruti Miyashiro</u> Shruti S. Miyashiro	Director	August 25, 2017
<u>/s/ Wesley A. Brown</u> Wesley A. Brown	Director	August 25, 2017

JACK HENRY & ASSOCIATES, INC.  
2015 EQUITY INCENTIVE PLAN

**PERFORMANCE SHARES AGREEMENT**

Date of Grant:

Number of Performance Shares Granted

\_\_\_\_\_

This Award Agreement dated \_\_\_\_\_, 20\_\_, is made by and between Jack Henry & Associates, Inc., a Delaware corporation (the "Company"), and \_\_\_\_\_ ("Participant").

**RECITALS:**

A. Effective November 10, 2015, the Company's stockholders approved the Jack Henry & Associates, Inc. 2015 Equity Incentive Plan (the "Plan") pursuant to which the Company may, from time to time, grant Shares of Performance Shares to eligible Service Providers of the Company and its Affiliates.

B. Participant is a Service Provider of the Company or one of its Affiliates and the Company desires to encourage him/her to own Shares and to give him/her added incentive to advance the interests of the Company, and desires to grant Participant shares of Performance Shares of the Company under the terms and conditions established by the Committee.

**AGREEMENT:**

In consideration of the mutual covenants contained herein and other good and valuable consideration, the receipt of which is hereby acknowledged, the parties agree as follows:

1. Incorporation of Plan. All provisions of this Award Agreement and the rights of Participant hereunder are subject in all respects to the provisions of the Plan and the powers of the Committee therein provided. Capitalized terms used in this Award Agreement but not defined shall have the meaning set forth in the Plan.

2. Grant of Performance Shares. Effective as of the Date of Grant set forth above opposite the heading "Date of Grant," subject to the conditions and restrictions set forth in this Award Agreement and in the Plan, the Company hereby grants to Participant that number of Shares of Performance Shares identified above opposite the heading "Number of Performance Shares Granted" (the "Performance Shares"), but the number of such Performance Shares actually settled may be ultimately adjusted and determined pursuant to the terms and conditions set forth in this Agreement and including Appendix A hereto. Each Performance Share shall initially be deemed to be the equivalent of one share of Stock; provided, however, that certain levels of achievement may result in settlement of less than one, or more than one, share of Stock (or its cash equivalent) for each Performance Share. In the sole discretion of the Committee, the Company may elect to settle

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a Performance Share for cash with a cash payment equal to the fair market value of each Performance Share the Committee elects to settle for cash.

3. Restrictions. Except as may be permitted under the Plan or by the Committee, none of Participant's rights to payment hereunder are transferable by sale, assignment, disposition, gift, exchange, pledge, hypothecation, or otherwise. Any attempted disposition of any of Participant's rights hereunder, or the levy of any execution, attachment or similar process upon any of the Performance Shares prior to settlement, shall be null and void and without effect. Holding Performance Shares does not give Participant the rights of a shareholder (including without limitation the right to vote or receive dividends or other distributions) with respect to shares of Stock underlying the Performance Shares that the Company may issue under the terms and conditions of this Agreement.

4. Settlement, Forfeiture and Share Issuance.

(a) Appendix A Performance Measures. The performance measures applicable to the Performance Shares (the "Performance Measures") are set forth in Appendix A to this Agreement. By accepting the terms and conditions of this Agreement, Participant shall be deemed to have consented to Appendix A, and Appendix A, its Performance Measures, terms and conditions are incorporated herein by reference. The Performance Measures relate to the Company's 20\_\_, 20\_\_ and 20\_\_ fiscal years (each a "Performance Year", and collectively the "Performance Period"). Appendix A also sets forth the "Scheduled Settlement Date", which, if it occurs due to achievement of one or more of the Performance Measures, shall follow the meeting of the Committee at which the applicable level of performance goal achievement is determined for Award purposes ("Applicable Committee Meeting"). At the Applicable Committee Meeting following the 20\_\_ Performance Year, the Committee shall conduct an objective analysis as to whether one or more of the Performance Measures have been satisfied. If one or more of such Performance Measures have been satisfied, the Committee shall certify such achievement ("Certification") and instruct the Company to begin the Performance Shares settlement process.

(b) Performance Settlement.

(i) The Performance Shares shall be settled in connection with Certification (as provided in Appendix A, but no earlier than any Scheduled Settlement Date). Settlement shall not occur if Certification does not occur at the Applicable Committee Meeting in 20\_\_ (the "Deadline"), and if Certification does not occur by the Deadline, no Performance Shares shall be settled and all of Participant's rights under this Agreement shall be forfeited as of the Deadline.

(ii) To the extent that the settlement of Performance Shares would result in the issuance of one or more shares in excess of the limitations set forth in Section 10.6 of the Plan (which relates to the maximum amount of Shares that may be granted to a Participant in any one calendar year for satisfaction of the performance-based compensation exception to Code Section 162(m)), issuance of such excess shares shall be delayed until the first taxable year in which the delivery of such

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shares can be made in accordance with Section 10.6 of the Plan and the tax deduction for such payment will not be barred by application of Code Section 162(m).

(iii) To the extent permissible under the Plan, the Committee, in its sole discretion, may elect to settle one or more Performance Shares by making a cash payment to Participant in an amount equal to the then fair market value of the share of Stock underlying the Performance Share being settled, less any amounts necessary to satisfy the Company's tax withholding obligations.

(c) Other Settlement.

(i) *Effect of Change in Control on Settlement.* If any of the events constituting a Change in Control of the Company shall have occurred and the Participant's employment with the Company is terminated by the Company within the period commencing 90 days prior to, and ending two years following such Change in Control (the "Applicable Period"), all Performance Shares shall be settled, regardless of whether one or more Performance Measures are achieved; provided, however, that the Performance Shares shall not be settled pursuant to the prior clause in the event of a termination by the Company for "Cause" (as hereinafter defined). If any of the events constituting a Change in Control of the Company shall have occurred and the Participant terminates his or her employment during the Applicable Period for "Good Reason" (as hereinafter defined), all Performance Shares shall be settled. If there is an event pursuant to which Performance Shares shall be settled pursuant to this Section 4(c)(i), settlement of the Performance Shares shall occur as if goal achievement occurred at the Target level of goal achievement and as soon as practicable following the later to occur of the Change in Control or the termination of Participant's employment, but in no event later than the 90<sup>th</sup> day following the later to occur of such events, and in no event shall Participant have any discretion to direct when the Performance Shares shall be settled.

(ii) For purposes of this Award, "Cause" shall mean (A) failure of the Participant to adequately perform his or her duties assigned by the Committee; or (B) any act or acts of gross dishonesty or gross misconduct on the Participant's part which result or are intended to result directly or indirectly in gain or personal enrichment at the expense of the Company or its subsidiaries to which the Participant is not legally entitled. For purposes of this Award, "Good Reason" shall mean (v) a material diminution of the Participant's authority, duties or responsibilities from those being exercised and performed by the Participant immediately prior to the Change in Control; (w) a transfer of the Participant to a location which is more than 75 miles away from the location where the Participant was employed immediately prior to the Change in Control; (x) a material diminution in the rate of the Participant's annual salary below his or her rate of annual salary immediately prior to the Change in Control; (y) a material diminution in the Participant's annual target bonus opportunity below his or her annual target bonus opportunity immediately prior to the Change in Control; or (z) a material breach by the Company of any incentive award agreement covering the Participant; provided, however, that Good Reason shall not be deemed to exist unless the Participant has first provided notice to the Company of the existence of one of the events described above within a period of

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90 days from the initial existence of the event, and after such notice the Company has been provided a period of 30 days to eliminate the existence of Good Reason.

(iii) *Effect of Death, Incapacity and Retirement on Settlement.* Upon Participant's death or termination of employment due to Incapacity or "Retirement", no forfeiture or accelerated settlement of the Performance Shares shall occur (except as provided in Section 4(c)(i) above). Rather, on the Scheduled Settlement Date following the Applicable Committee Meeting, if Certification occurs, a pro rata portion of the Performance Shares subject to this Agreement shall be settled based on the period of time in the Performance Period that elapsed prior to Participant's termination of employment.

The pro rata portion of the Performance Shares being settled shall be determined by (A) dividing the aggregate number of Performance Shares Participant would have been entitled to receive had he or she been employed through the end of the Performance Period by 36 (i.e., the number of calendar months in the Performance Period), and then (B) multiplying the quotient obtained in (A) by the number of whole months elapsed from the commencement of the 20\_\_ fiscal year to the date of Participant's death or termination of employment due to Incapacity or Retirement. For purposes of this pro rata calculation, Participant must have been actively employed as a full-time employee for an entire calendar month in the Performance Period to receive credit that that month.

For purposes of this Agreement, a "Retirement" means an Participant's termination of employment for the express reason of retirement, as determined by the Committee in its sole discretion, (A) following a minimum of thirty (30) years of employment with the Company, (B) on or after age 57 and following a minimum of fifteen (15) years of employment with the Company, or (C) on or after age 62 and following a minimum of five (5) years of employment with the Company. Unless otherwise determined by the Committee, Participant must have been actively employed as a full-time employee for an entire calendar year to receive credit for such year of employment for purposes of this definition of "Retirement."

d. Forfeiture. Subject to the other provisions of this Section 4, all rights relating to any non-settled Performance Shares shall be forfeited if either (A) Certification does not occur prior to or on the Deadline, or (B) Participant ceases to be employed by the Company during the Performance Period (except as provided in Section 4(c) above). Participant is not deemed to have terminated employment through, and Participant's rights relating to the Performance Shares shall not be forfeited solely as a result of, any change in Participant's duties or position or Participant's temporary leave of absence approved by the Company. Upon any such forfeiture, under no circumstances will the Company be obligated to make any payment to Participant, and no shares of Stock shall be issued, as a result of such forfeited Performance Shares.

e. Share Issuance. Except as otherwise provided herein, upon the settlement of a specific number of Performance Shares, for shares of Stock, as provided in

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Paragraphs 4(b) or (c), the Company shall issue a corresponding number of shares of Stock to Participant on the Settlement Date, provided that tax withholding obligations have been satisfied as provided in Section 5. The Company's transfer agent may issue shares of Stock in certificated or book entry form as determined by the Company's Corporate Secretary. Upon issuance of the Shares, Participant shall have all rights of a shareholder with respect thereto including the right to vote and receive all dividends or other distributions made or paid with respect to the shares of Stock.

f. Payments to Third Party. Upon death of Participant followed by a valid written request for payment, the shares of Stock, to the extent eligible to be issued, shall be issued as soon as administratively practical to Participant's beneficiary named in a written beneficiary designation filed with the Company's Corporate Secretary on a form for the Plan or, if there is no such designated beneficiary, to Participant's executor or administrator or other personal representative acceptable to the Corporate Secretary. Any request to pay any person or persons other than Participant shall be accompanied by such documentation as the Company may reasonably require, including without limitation, evidence satisfactory to the Company of the authority of such person or persons to receive the payment.

5. Tax Withholding: Withholding with Stock. The Company's obligations to issue Shares in connection with the settlement of any Performance Shares is subject to the Participant's satisfaction of all applicable federal, state and local income and other tax (including Social Security and Medicare taxes) withholding requirements. Unless specifically denied by the Committee, Participant may elect to pay any portion of the required tax withholding amounts (or greater amounts if permitted by the Committee) by electing to have the Company withhold upon settlement a number of Shares having a Fair Market Value on the withholding date equal to the minimum amount (or greater amount if permitted by the Committee) elected to be withheld by the Participant. Any withholding obligations satisfied through the withholding of Shares shall be in accordance with any rules or established procedures for election by Participant including any rules or restrictions relating to the period of time any previously acquired Shares have been held or owned, the timing of any elections, the irrevocability of any elections, or any special rules relating to Participant if Participant is an officer or trustee of the Company within the meaning of Section 16 of the 1934 Act.

6. Dividends and Voting. Prior to a Performance Share settlement date, Participant shall have no right to receive any dividends or dividend equivalent payments with respect to the Performance Shares. Participant will have no voting rights with respect to any of the Performance Shares.

7. Administration. This Award has been made pursuant to a determination made by the Committee, subject to the express terms of this Agreement, and the Committee shall have plenary authority to interpret any provision of this Agreement and to make any determinations necessary or advisable for the administration of this Agreement and may waive or amend any provisions hereof in any manner not adversely affecting the rights granted to Participant by the express terms hereof.

8. No Right to Continued Service. Nothing in this Agreement shall be deemed to create any limitation or restriction on such rights as the Company otherwise would have to terminate the employment of Participant.

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9. Compliance with Section 409A. Notwithstanding any provision in this Agreement or the Plan to the contrary, this Agreement shall be interpreted and administered in accordance with Code Section 409A and regulations and other guidance issued thereunder (“Section 409A”). For purposes of determining whether any payment made pursuant to this Agreement results in a “deferral of compensation” within the meaning of Treasury Regulation 1.409A-1(b), Company shall maximize the exemptions described in such section, as applicable. Any reference to a “termination of employment” or similar term or phrase shall be interpreted as a “separation from service” within the meaning of Section 409A. If any deferred compensation payment is payable while Participant is a “specified employee” under Section 409A, and payment is due because of separation from service for any reason other than death, then payment of such amount shall be delayed for a period of six months and paid in a lump sum on the first payroll payment date following the earlier of the expiration of such six month period or Participant's death. To the extent any payments under this Agreement are made in installments, each installment shall be deemed a separate payment for purposes of Section 409A and the regulations issued thereunder. Participant or his or her beneficiary, as applicable, shall be solely responsible and liable for the satisfaction of all taxes and penalties that may be imposed on Participant or his or her beneficiary in connection with any payments to Participant or his or her beneficiary pursuant to this Agreement, including but not limited to any taxes, interest and penalties under Section 409A, and Company shall have no obligation to indemnify or otherwise hold Participant or his or her beneficiary harmless from any and all of such taxes and penalties.

10. Amendment. This Award Agreement may be amended only by a writing executed by the parties hereto which specifically states that it is amending this Award Agreement.

11. Governing Law. The laws of the State of Delaware will govern the interpretation, validity and performance of this Award Agreement regardless of the law that might be applied under principles of conflicts of laws. Participant is deemed to submit to the exclusive jurisdiction and venue of the federal or state courts of Missouri to resolve any and all issues that may arise out of or relate to this Award Agreement.

12. Clawback Policy. The Performance Shares may be subject to certain provisions of the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010 (“Dodd-Frank”), the Company’s Executive Compensation Recoupment Policy or any other compensation clawback policy that is adopted by the Committee and that will require the Company to be able to claw back compensation paid to its executives under certain circumstances. Participant acknowledges that the Performance Shares may be clawed back by the Company in accordance with any policies and procedures adopted by the Committee in order to comply with Dodd Frank or as set forth in this Award Agreement.

13. Entire Agreement and Binding Effect. This Award Agreement and the Plan constitute the entire contract between the parties hereto with regard to the subject matter hereof. They supersede any other agreements, representations or understandings (whether oral or written and whether express or implied) that relate to the subject matter hereof. Except as expressly stated herein to the contrary, this Agreement will be binding upon and inure to the benefit of the respective heirs, legal representatives, successors and assigns of the parties hereto.

14. Titles. Titles are provided herein for convenience only and are not to serve as a basis for interpretation or construction of this Award Agreement.

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The Company has caused this Agreement to be executed on its behalf, and Participant has signed this Agreement to evidence Participant's acceptance of the terms hereof, all as of the date first above written.

**JACK HENRY & ASSOCIATES, INC.**

By: \_\_\_\_\_

Title: \_\_\_\_\_

**PARTICIPANT**

\_\_\_\_\_  
Name: \_\_\_\_\_

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APPENDIX A TO PERFORMANCE SHARES AWARD AGREEMENT20 GRANTExecutive

## CLIFF SETTLEMENT

(Settlement occurs based upon the level of achievement of the Performance Measures)

Achievement of the Performance Measures set forth below for the Performance Period (FYs 20\_\_-20\_\_) ("Performance Condition") is required for settlement, and settlement may occur no earlier than the later of \_\_\_\_\_ or the first business day following the Applicable Committee Meeting (the "Scheduled Settlement Date"), except in the case of a Change in Control or as otherwise provided in the Agreement and this Appendix.

Calculation of the number of Performance Shares eligible to be settled depends on the Company's Total Stockholder Return ("TSR") compared against the Company's compensation peer group (as determined by the Committee) for the three (3) fiscal years ending June 30, 20\_\_. For purposes of determining the TSR for both the Company and the Company's compensation peer group, TSR shall be determined based on the average of the closing prices for the relevant company's Stock for the \_\_ consecutive [calendar][trading] days ending on June 30, 20\_\_. For this purpose, closing price means the last reported market price for one share of Stock, regular way, on the exchange or stock market on which such last reported market price is reported on the day in question. The percentage of Performance Shares eligible to be settled shall be determined in accordance with the following schedule:

<u>Company's TSR Compared to Peer Group</u>	<u>Percentage of Performance Shares Eligible to be Settled*</u>
	0% of Performance Shares (0 shares)
< __% percentile	
__th percentile	__% of Performance Shares (__ shares)
__th percentile	__% of Performance Shares (__ shares)
__th percentile	__% of Performance Shares (__ shares)
__th percentile	__% of Performance Shares (__ shares)
__th percentile	__% of Performance Shares (__ shares)
__th percentile	__% of Performance Shares (__ shares)

\*The percentage of Performance Shares eligible to be settled when the Company's TSR for the Performance Period falls in between any of the above-listed percentiles shall be determined using linear interpolation between the immediately preceding and immediately following data-points.

Unless earlier forfeited, any Performance Shares not settled by the Scheduled Settlement Date in 20\_\_ will be forfeited.

EXHIBIT 21.1

**Jack Henry & Associates, Inc. Subsidiaries**

<b>Name</b>	<b>State/Country of Incorporation</b>
Jack Henry Services, Inc.	Texas
Jack Henry Software/Commlink, Inc.	Texas
Symitar Systems, Inc.	California
Bayside Business Solutions, Inc.	California
Check Collect, Inc.	Texas
Gladiator Technology Services, Inc.	Georgia
Audiotel Corporation	Texas
Goldleaf Financial Solutions, Inc.	Tennessee
Goldleaf Insurance, LLC	Tennessee
Goldleaf Leasing, LLC	Tennessee
Goldleaf Technologies, LLC	Delaware
JHA Payment Processing Solutions, Inc.	Washington
Towne Services, Inc.	Georgia
iPay Technologies Holding Company, LLC	Delaware
iPay Technologies, LLC	Kentucky
Profitstars, LLC	Missouri
JHA Fleet, Inc.	Missouri
JHA Money Center, Inc.	Missouri
Banno, LLC	Iowa

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in the Registration Statements on Form S-8 (Nos. 333-63912, 333-130078, 333-130079, 333-138891, 333-208234 and 333-214631) of Jack Henry & Associates, Inc. of our report dated August 25, 2017 relating to the financial statements and the effectiveness of internal control over financial reporting, which appears in this Form 10-K.

/s/ PricewaterhouseCoopers LLP

Kansas City, Missouri

August 25, 2017

**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We consent to the incorporation by reference in Registration Statement Numbers 333-63912, 333-130078, 333-130079, 333-138891, 333-208234 and 333-214631 on Form S-8 of our report dated September 11, 2015 relating to the consolidated financial statements for the year ended June 30, 2015 of Jack Henry and Associates, Inc. and subsidiaries , appearing in this Annual Report on Form 10-K of Jack Henry and Associates, Inc. for the year ended June 30, 2017 .

/s/Deloitte & Touche LLP

Kansas City, Missouri  
August 25 , 2017

**CERTIFICATION**

I, David B. Foss, certify that:

1. I have reviewed this annual report on Form 10-K of Jack Henry & Associates, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter, (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) All significant deficiencies and material weaknesses in the design or operation of internal controls over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal controls over financial reporting.

Date: August 25, 2017

/s/ David B. Foss

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David B. Foss

Chief Executive Officer

**CERTIFICATION**

I, Kevin D. Williams, certify that:

1. I have reviewed this annual report on Form 10-K of Jack Henry & Associates, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter, (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) All significant deficiencies and material weaknesses in the design or operation of internal controls over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal controls over financial reporting.

Date: August 25, 2017

/s/ Kevin D. Williams

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Kevin D. Williams

Chief Financial Officer



EXHIBIT 32.1

Certification of the Chief Executive Officer  
Pursuant to 18 U.S.C. Section 1350

Solely for the purposes of complying with 18 U.S.C. Section 1350, I, the undersigned Chief Executive Officer of Jack Henry & Associates, Inc. (the "Company"), hereby certify that the Annual Report on Form 10-K of the Company for the fiscal year ended ended June 30, 2017 (the "Report") fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended, and that information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: August 25, 2017

\*/s/ David B. Foss

David B. Foss

Chief Executive Officer

\*A signed original of this written statement required by Section 906 has been provided to Jack Henry & Associates, Inc. and will be retained by Jack Henry & Associates, Inc. and furnished to the Securities and Exchange Commission or its staff upon request.

EXHIBIT 32.2

Certification of the Chief Financial Officer  
Pursuant to 18 U.S.C. Section 1350

Solely for the purposes of complying with 18 U.S.C. Section 1350, I, the undersigned Chief Financial Officer of Jack Henry & Associates, Inc. (the "Company"), hereby certify that the Annual Report on Form 10-K of the Company for the fiscal year ended ended June 30, 2017 (the "Report") fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended, and that information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: August 25, 2017

\*/s/ Kevin D. Williams

Kevin D. Williams

Chief Financial Officer

\*A signed original of this written statement required by Section 906 has been provided to Jack Henry & Associates, Inc. and will be retained by Jack Henry & Associates, Inc. and furnished to the Securities and Exchange Commission or its staff upon request.